SEQUENCE LISTING

<110> Sudduth-Klinger, Julie
     Escobedo, Jaime
     Reinhard, Christoph
     Randazzo, Filippo
     Lamson, George
     Garcia, Pablo
     Kaufmann, Joerg
     Kennedy, Giulia

<120> GENE PRODUCTS DIFFERENTIALLY EXPRESSED
   IN CANCEROUS COLON CELLS

<130> 2300-15805CON

<140> Unassigned
<141> 2003-07-09

<150> 09/872,850
<151> 2001-06-01

<150> 60/208,871
<151> 2000-06-02

<160> 321

<170> FastSEQ for Windows Version 4.0

<210> 1
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1
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gtccaggaag acctccgtgt ggatggccgt ggctgtgagg actaccgatg tgtcgaagtg   120
gaaactgatg tggtgtccaa cactagtggg tccgccaggg tcaagctggg tcacacagac   180
atcttggtgg gagtgaaagc agaaatgggg acgccgaagc tggagaaacc aaatgaaggc   240
tacttggagt tctttgttga ctgttcagcc agtgctaccc ctgaatttga aggtagagga   300

<210> 2
<211> 760
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(760)
<223> n = A,T,C or G

<400> 2
tnnaatatac agctacttgt tcttttttgca ggatcccatc gattcgaatt ccgttgctgt   60
cgcacgaggc caccagggtg actgcgggat tccgatctgc gccggagctg cgatgctaga   120
gcactcttgc caccccccacc ccacggacgt gttgcagtga tatcagaatt ttgcgtgcgg   180
tttacccgtg tttaacctct ttgcgtctcg cttctgaatc gtatccactt gagcatcact   240
agactgatct attttaacac tggtggggggg cagcgaggat ggacagattc ctggtgaaag   300
gggctcaagg gggcctttttg aggaagcagg atgagcanga gccaactgga gaagagccag   360

1

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ctgtgttggg aggagacaaa naaagcacaa ngaanaggcc catgaganag ccccagggaa        420
tggangccac tcancaagcc ctagctggcg gnacattcgg ncttagggcc tggactgcag        480
ttacacagtn ctgtttggca aagctgaggc anatgagatt ttccaagagt tggagaaaga        540
agtagaatat tttacaggag cactggccan agtccangta ttcnggaagt ggcacantnt        600
gcccaggaag cangccaacg tattggcgac gcttgggctg aactacacat tttcangcct        660
tacgctgtct tccaaagccc tgggatccca anttcttaga accccantcc nggatcaacc        720
ttttntgggg gtgactggga cnganccttt aactttttg                               760


<210> 3
<211> 754
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(754)
<223> n = A,T,C or G

<400> 3
ntatccttnc anttcntata tnaggctact tgttctttt gcaggatccc atcgattcga        60
attcggcacg agggcagcat ggcgtccgtg gcgctgagcg aggcggagaa ggtgtacatc       120
gtgcatggcg tccaggaaga cctccgtgtg gatggccgtg gctgtgagga ctaccgatgt       180
gtcgaagtgg aaactgatgt ggtgtccaac actagtgggt ccgccagggt caagctgggt       240
cacacagaca tcttggtggg agtgaaagca naaatgggga cgccgaagct ggagaaacca       300
aatgaaggct acttggagtt ctttgttgac tgttcagcca gtgctacccc tgaatttgaa       360
ggtagaggag gtgatgacct tggcaccgag atcgctaaca ccctctatcg gatatttaac       420
aataaaagca gtgtcgactt aaagaccctc tgcattagtc ctnggagca ctgctgggtt        480
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tgctgtaaan gctgctctct tcaatacaag ggataccaaa gggttcgagt ttttggaagg       600
atgaanangg gtctaaggan catttgaatt gtccagatga ccccttatgac tgcattacnn      660
actaaantgt gggaagaatg tcccctggca ttgnnacttt tgttgcaaag anttggcttt       720
tcggcatgtt ggtnggatnc ctactcttna agga                                   754


<210> 4
<211> 234
<212> DNA
<213> Homo sapiens

<400> 4
aaccctctct cctcagcgct tcttctttct tggtttgatc ctgactgctg tcatggcgtg        60
ccctctggag aaggccctgg atgtgatggt gtccaccttc cacaagtact cggcaaaga        120
gggtgacaag ttcaagctca acaagtcaga actaaaggag ctgctgaccc gggagctgcc       180
cagcttcttg gggaaaagga cagatgaagc tgctttccag aagctgatga gcaa            234


<210> 5
<211> 149
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(149)
<223> n = A,T,C or G

<400> 5
gctncagtct ggtcatgtca cagcccctcc tggnaccgca cggccctagt atttacacaa        60
ccttcacgna cagttggtga ttggctggat gccatcaaga tggggcggta caaggagagc       120
ttcgtcagtg cggggtttgc atcttttga                                         149


<210> 6
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2

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<211> 224
<212> DNA
<213> Homo sapiens

<400> 6
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gtgagtggtg cactgacagt gcttatgaag gacgcaatca agcccaatct catgcagaca       120
ctggagggca ctccagtgtt tgtccatgct ggcccgtttg ccaacatcgc acatggcaat       180
tcctccatca ttgcagacca gatcgcactc aagcttgttg gccc                        224


<210> 7
<211> 259
<212> DNA
<213> Homo sapiens

<400> 7
caaacctgaa tccaaagttg ctaagttgga cacgtctcag tggccccttt tgctaaagaa        60
ttttgataag ctgaatgtaa ggacaacaca ctatacacct cttgcatgtg gttcaaatcc       120
tctgaagaga gagattgggg actatatcag gacaggtttc attaatcttg acaagccctc       180
taaccccctct tcccatgagg tggtagcctg gattcgacgg atacttcggg tggagaagac       240
agggcacagt ggtactctg                                                    259


<210> 8
<211> 281
<212> DNA
<213> Homo sapiens

<400> 8
gcctgaagca gcctgcggac tgtctggatg gactgtatgc cttgatgtcg cggtgctggg        60
agctaaatcc ccaggaccgg ccaagtttta cagagctgcg ggaagatttg gagaacacac       120
tgaaggcctt gcctcctgcc caggagcctg acgaaatcct ctatgtcaac atggatgagg       180
gtggaggtta tcctgaaccc cctggagctg caggaggagc tgaccccccca acccagccag       240
accctaagga ttcctgtagc tgcctcatgc ggctgaggtc c                           281


<210> 9
<211> 282
<212> DNA
<213> Homo sapiens

<400> 9
cgtggttttg tctgctgcgc ccgctcttcg cgctctcgtt tcattttctg cggcgcgcca        60
gcaggatggc ccacaagcag atctactact cggacaagta cttcgacgaa cactacgagt       120
accggcatgt tatgttaccc agagaacttt ccaaacaagt acctaaaact catctgatgt       180
ctgaagagga gtggaggaga cttggtgtcc aacagagtct aggctgggtt cattacatga       240
ttcatgagcc agaaccacat attcttctct ttagacgacc tc                         282


<210> 10
<211> 260
<212> DNA
<213> Homo sapiens

<400> 10
gcgagcagga ctagcccagg ccgagtggac ctcccaggat caagcaccac tcttacaaag        60
tctttcacta gctcttctcc ttcttcccca tcaagagcaa aagaccgtga gtcccctaga       120
agttactcat ccactttgac tgacatgggg agaagtgcac caagggaaag aagaggaact       180
ccagaaaaag agaaattgcc tgcaaaagct gtttatgatt ttaaggctca gacatctaag       240
gagttgtcat ttaagaaagg                                                   260


<210> 11
<211> 239
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3

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(239)
<223> n = A,T,C or G

<400> 11
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gttgccctgc ctctggctcc agaacagaaa gggagcctca cgctggctca cacaaaacag      60
ctgacactga ctaaggaact gcagcatttg cacaggggag gggggtgcct ccttcctaga     120
ggccctgggg gccaggctga ttggggggca gattgacata ggccccantc atcagatgtc     180
tgaaattcan cacggggggta acntggggggg ttagggacta tttttaaant aggggtggc     239
```

<210> 12
<211> 160
<212> DNA
<213> Homo sapiens

<400> 12
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gcggtgacga cggggaccat tttaccatca ccacccaccc tgagagcaac caggggcatcc      60
tgacaaccag gaagggtttg gattttgagg ccaaaaacca gcacaccctg tacgttgaag     120
tgaccaacga ggcccctttt gtgctgaagc tcccaacctc                           160
```

<210> 13
<211> 260
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(260)
<223> n = A,T,C or G

<400> 13
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ctccaagacc acaagccccc aaggccaatg gcacctctgc actgactgcc cagaatggaa      60
aagcagctaa gaacagtgag gaggaggaag aagaaaagaa aaaggcggca gtggtagttt     120
ccaaatcagg ttcattaaag aagcggaagc agaatgaggc tgccaaggag gcagagactc     180
ctcaggccaa gaagataaag cttcagaccc ctaacacatt tccnnaaagg nngaaaggag     240
aaaaaagggc atcatccccc                                                 260
```

<210> 14
<211> 264
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(264)
<223> n = A,T,C or G

<400> 14
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aacaaattga aggttaacac cttaagagtt gtagttactg accagaaata tggacagact      60
tcttagactt ggaggaggta tgcctggact gggccagggg ccacctacag atgcncctgc     120
agtggacaca gcagaacaag ncnatatctc ttccctggca ctgnnaanaa tgttaaaaca     180
tggccgtgct ggagttccaa tggaagttat gggnttgang cttggagaat ttgntganga     240
ttataccgtc ngagtnatng nngt                                             264
```

<210> 15
<211> 259
```

4

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(259)
<223> n = A,T,C or G

<400> 15
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cgtggccaag gagttgggtg agaacctgac tgatgaggag ctgcaggaaa tgattgatga   60
agctgatcga gatggagatg gagaggtcag tgagcaagag ttcctgcgca natgaaaaag   120
accagcctct attaagatca gtgtcttctt tttctactgc aagcacatgt aactagattt   180
agtgcctgcc atggtgtgaa atctggcttt tgagaacaca aacttttccc ccacggacct   240
ccctttatca ctttaatag   259
```

<210> 16
<211> 233
<212> DNA
<213> Homo sapiens

<400> 16
```
gctgcccact gcaaaaaacc gaatcttcag gtcttcctgg ggaagcataa ccttcggcaa   60
agggagagtt cccaggagca gagttctgtt gtccgggctg tgatccaccc tgactatgat   120
gccgccagcc atgaccagga catcatgctg ttgcgcctgg cacgcccagc caaactctct   180
gaactcatcc agccccttcc cctggagagg gactgctcag ccaacaccac cag   233
```

<210> 17
<211> 188
<212> DNA
<213> Homo sapiens

<400> 17
```
aaggcccgtg agcagctcat ctgcgagtgt ggcctctttg acaaggccaa cgccacaggg   60
ggcggtgggc acgtgcagat ggtgcagagg gccatgaagg acctgaccta tgcctccctg   120
tgctttcccg aggccatcaa ggcccggggc atggagagca agaagacat cccctactac   180
ttctaccg   188
```

<210> 18
<211> 200
<212> DNA
<213> Homo sapiens

<400> 18
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gtagcagtca caccctagcc actgctggga ccttgtgttc cccaagagta tctgattcct   60
ctgctgtccc tgccaggagc tgaagggtgg gaacaacaaa ggcaatggtg aaaagagatt   120
aggaaccccc cagcctgttt ccattctctg cccagcagtc tcttaccttc cctgatcttt   180
gcagggtggt ccgtgtaaat   200
```

<210> 19
<211> 647
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(647)
<223> n = A,T,C or G

<400> 19
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5

```
tctgtgtgga acaagcgtcg caatgaggac tctctacagg acccgatatg gcatccctgg       120
atctatttgt gatgactata tggcaactct ttgctgtcct cattgtactc tttgccaaat       180
caagagagat atcaacagaa ggagagccat gcgtactttc taaaaactga tggtgaaaag       240
ctcttaccga agcaacaaaa ttcagcagac acctcttcag cttgagttct tcaccatctt       300
ttgcaactga aatatgatgg atatgcttaa gtacaactga tggcatgaaa aaaatcaaat       360
ttttgattta ttataaatga atgttgtccc tgaacttagc taaatggtgc aacttagttt       420
ctccttgctt tcatattatc gaattcgaat ttcctggctt ataaactttt taaattacat       480
ttgaaatata aaccaaatga aatattttac tgataagatt cttcatgctt ctttgctctc       540
cttaaaatgt cttttcact agttagttcc aagggacagn ctcataattt tggtcttata       600
ctttgatttc cttttctttt tttttttta aaaaagggg gggganc                     647
```

<210> 20
<211> 218
<212> DNA
<213> Homo sapiens

<400> 20
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tgattggtgt ggggaagctg ttgcgtgtct atgacctggg aaagaagaag ttactccgaa        60
aatgtgagaa taagcatatt gccaattata tctctgggat ccagactatc ggacataggg       120
taattgtatc tgatgtccaa gaaagtttca tctgggttcg ctacaagcgt aatgaaaacc       180
agcttatcat ctttgctgat gatacctacc cccgatgg                              218
```

<210> 21
<211> 207
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(207)
<223> n = A,T,C or G

<400> 21
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gctgcccttg tagcttcccc agaccccaac tcactgcagt tcatctgaac aacctgagct        60
cctgggccgg ggtggangga gggggataaa cctaaggccc tgatccaaag cagcctgttg       120
agctggttct ccagggctgc agtctctcca ggtgtacagc tgctgtccct gccctgtcct       180
gtccttgcac agtctcctat gtctgag                                          207
```

<210> 22
<211> 204
<212> DNA
<213> Homo sapiens

<400> 22
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cccgagcaac gcactgctgc agcttccctg agcctttcca gcaagtttgt tcaagattgg        60
ctgtcaagaa tcatggactg ttattatatg ccttgttttc tgtcaagaca ccatgattcc       120
tggtaaccga atgctgatgg tcgtttttatt atgccaagtc ctgctaggag gcgcgagcca     180
tgctagtttg atacctgaga cggg                                            204
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<210> 23
<211> 224
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(224)
<223> n = A,T,C or G

<400> 23

6

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agcaaatctg gctatcttct ccatccagtg gacctaagcg ttatgactgg actgggaaaa      60
antgggtgta ctcccacgac ggcgtgtccc tccatgagct gctggccgca gagctcacta     120
aagccttaaa aaccaaactg gacttgtctt ccttggccta ttccggaaaa gatgcttgat     180
gcccagcccg gtttaaagnc attaaaagta tnaggccagn cccc                      224


<210> 24
<211> 228
<212> DNA
<213> Homo sapiens


<400> 24
aaagatgttt atatctttgg aagtttaca taaatcaaag gaagaaagca catttaaaat      60
gagaaactaa gaccaatttc tgttttaag aggaaaaaga atgattgatg tatcctaagt     120
attgttattt gttgtctttt tttgctgcct tgcttgagtt gcttgtgact gatcttttga     180
ggctgtcatc atggctaggg ttcttttatg tatgttaaat taaaacct                 228


<210> 25
<211> 234
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> (1)...(234)
<223> n = A,T,C or G


<400> 25
ctcgagccgc tcgagccgaa ttcggctcga ggccaaaaga tgttattgga gctattttgt      60
aaggtcccac atttgaccaa ggagtgcctg gtagcgttga gatgtgggag agaatgcact     120
gatctgaagg cagccctgcg tcaggnattc agcaacctgg aagagattct tgagtatcag     180
aacaccacct tctttggtgg aacctgtata tccatgattg attacctcct ctgg          234


<210> 26
<211> 239
<212> DNA
<213> Homo sapiens


<400> 26
cggctcgagg cccagatgtg gagtgccaga tgttgcagaa tactcactat ttccaaatag      60
cccaaaatgg acttccaaag tggtcaccta caggatcgta tcatatactc gagacttacc     120
gcatattaca gtggatcgat tagtgtcaaa ggctttaaac atgtggggca aagagatccc     180
cctgcatttc aggaaagttg tatggggaac tgctgacatc atgattggct ttgcgcgag      239


<210> 27
<211> 225
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> (1)...(225)
<223> n = A,T,C or G


<400> 27
ccaaggcgcc tggcagtccg cctcggggcc caggccctcc tggggggctgc caagatgctg      60
ctgcactcag aacagcaccc aggccagctc aaggacaacg tcagctctcc tggtggggcc     120
accatccatg ccttgcatgt gctgganagt gggggcttcc gctccctgct catcaacgct     180
gtggaggcct cctgcatccg cacacgggag ctgcagtcca tggct                    225


<210> 28
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7

<211> 200
<212> DNA
<213> Homo sapiens

<400> 28
cggctcgagc ccagatttcc tctatattcg ttcttggctc ccttgtatat ttttctcagg   60
aggcgtcacg gtggggaaca taggacgaca gttagctatg ggtgttcctg aaaagcccca   120
tagtgattga gtcttcaaaa ccaccgattc tgagagcaag gaagattttg gaagaaaatc   180
tgactgtgga ttatgacaaa   200

<210> 29
<211> 178
<212> DNA
<213> Homo sapiens

<400> 29
tctggctgca cctggcatga ctgtttgttt ctccaagcct gctttgtgct tctcaccttt   60
gggtgggatg ccttgccagt gtgtcttact tggttgctga acatcttgcc acctccgagt   120
gctttgtctc cactcagtac cttggatcag agctgctgag ttcaggatgc ctgcgtgt   178

<210> 30
<211> 233
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(233)
<223> n = A,T,C or G

<400> 30
ggaaagangt tttgatataa acaaaacaaa tgcactttgg gtgtgttttg gtatttttct   60
ggggatacan ggggtggggt nagggatgtc cctgtagatt agttccagaa tggggtgtct   120
gtatatactg tattaatagg catgtttgac tctcgtaaag ggacgttagt agctgctgca   180
ggtcctgttt ggaaacccca tgtacaattc ccagtttttt gtaagtgtca gng   233

<210> 31
<211> 762
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(762)
<223> n = A,T,C or G

<400> 31
gcggcctacg gctgcgagaa gacgacagaa ggggagatga atgcggctgt taagacctgc   60
aataatccag aatggctact ctgatctatg ttgataagga aaatggagaa ccaggcaccc   120
gtgtggttgc taaggatggg ctgaagctgg ggtctggacc ttcaatcaaa gccttagatg   180
ggagatctca agtttcaaca ccacgttttg gcaaaacgtt cgatgcccca ccagccttac   240
ctaaagctac tagaaaggct ttgggaactg tcaacagagc tacagaaaag tctgtaaaga   300
ccaagggacc cctcaaacaa aaacagccaa gcttttctgc caaaaagatg actgagaaga   360
ctgttaaagc aaaaagctct gttcctgcct cagatgatgc ctatccagaa atagaaaaat   420
tctttccctt caatcctcta gactttgaga gttttgacct gcctgaagag caccagattg   480
cgcacctccc cttgagtgga gtgcctctca tgatccttga cgaggagaga gagcttgaaa   540
agctgtttca gctgggcccc ccttcacctg tgaagatgcc ctctccacca tgggaatcca   600
atctgttgca gtctncttca agcattctgt cnaccctgga tgttgaattg ccacctgttt   660
gctgtgacat agatatttaa atttcttagt gcttcagagt ttgggtggnn nnnnnnnnnn   720
nnnnnnnnnn nnaacaaaaa aaaaaaaaaa aaaaaaaaaa ng   762

8

<210> 32
<211> 315
<212> DNA
<213> Homo sapiens

<400> 32
aacgcccaca acaatgggaa ccacacattt aaaatggcac tgaaccaatt ttcagacatg   60
agctttgctg aaataaaaca caagtatctc tggtcagagc ctcagaattg ctcagccacc   120
aaaagtaact accttcgagg tactggtccc tacccacctt ccgtggactg gcggaaaaaa   180
ggaaattttg tctcacctgt gaaaaatcag ggtgcctgcg gcagttgctg gactttctcc   240
accactgggg ccctggagtc tgcgatcgcc atcgcaaccg gaaagatgct gtccttggcg   300
gaacagcagt ggtgg   315

<210> 33
<211> 275
<212> DNA
<213> Homo sapiens

<400> 33
ggagttgtac gaaggcctga ggctgaacaa catgaataaa tatgactacg tgctcacagg   60
ttatacgagg gacaagtcgt tcctggccat ggtggtggac attgtgcagg agctgaagca   120
gcagaacccc aggctggtgt acgtgtgtga tccagtcttg ggtgacaagt gggacggcga   180
aggctcgatg tacgtcccgg aggacctcct tcccgtctac aaagaaaaag tggtgccgct   240
tgcagacatt atcacgccca accagtttga ggccg   275

<210> 34
<211> 206
<212> DNA
<213> Homo sapiens

<400> 34
gggattcctg gtcatcatgc agctatcaag cccgctcctc cacaaaccga gcaagtagag   60
agcaagagga agtcaggggg aaatgaggtt agcattgagg aacgtctggg agcaatggat   120
atagacacac acaaaaaagg aaaggaagac ctccagacga atagctttcc agttcttctt   180
acccagggct tagaaagtaa cgattc   206

<210> 35
<211> 257
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(257)
<223> n = A,T,C or G

<400> 35
gagccaccac caccatagcc cagccagatg agtgctctgt ggacccacag cctaagctga   60
gtgtgacccc agangccacg atgtgctctg tatccagaac acacttggca gatggaggaa   120
gcatctgagt ttgagaccat ggctgttaca gggatcatgt aaacttgctg ttttttgtttt   180
ttcctgccgg gtgttgtatg tgtggtgact tgcggattta tgtttcagtg tactggaaac   240
tttccatttt attcaag   257

<210> 36
<211> 235
<212> DNA
<213> Homo sapiens

<220>

9

<221> misc_feature
<222> (1)...(235)
<223> n = A,T,C or G

<400> 36
ctcgagccgg gattttctgt tttcggaagt tgctgggttc gttttattca gcggcagtgg   60
tgctttcccg aatctcagaa tgcctgttaa aagatcactg aagttggang gtctgttaga   120
agaaaattca tttgatcctt caaaaatcac aaggaagaaa agtgttataa cttattctcc   180
aacaactgga acttgtcaaa tgagtctatt tgcttctccc acaagttctg aagag   235

<210> 37
<211> 277
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(277)
<223> n = A,T,C or G

<400> 37
ggagagtttg gggaagtgta tcgagggacc ctgaggctcc ccagccagga ctgcaagact   60
gtggccatta agaccttaaa agacacatcc ccaggtggcc agtggtggaa ttccttcgag   120
aggcaactat catgggccag tttagccacc cgcatattct gcatctggaa ggcgtcgtca   180
caaagcgaaa nccgatcatg atcatcacag aatttatgga gaatggagcc ctggatgcct   240
tcctgaggga gcgggaggac cagctggtcc ctgggca   277

<210> 38
<211> 291
<212> DNA
<213> Homo sapiens

<400> 38
cggagatctt caaaaaggag cacccggacc gcttcatcga gtgctacatt gctgagcaga   60
acatgcactt ttgcagcctt cttcacgcgg gcctttgacc agattcgcat ggccgccatc   120
tccgagagca acatcaacct ctgcggctcc cactgcggcg tttccatcgg ggaagacggg   180
ccctcccaga tggccctaga agatctggct atgtttcggt cagtccccac atcaactgtc   240
ttttacccaa gtgatggcgt tgctacagag aaggcagtgg aatagccgcc a   291

<210> 39
<211> 211
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(211)
<223> n = A,T,C or G

<400> 39
tggaggtcta aattacctcc agggtttttc tggggtttta tcaccagtgt gggtcccttc   60
tgataccacc aggttcactc caggncagag tggggcacaa ggctgctgag gatatgggtc   120
agttacagca gccctcacct caaagggctg gcctgcttct cagcctacat tcatttgcaa   180
gcttcaatct ctggaccatc tggtgttcac a   211

<210> 40
<211> 253
<212> DNA
<213> Homo sapiens

10

<400> 40
caaaggatga cgtgatactc aatgccttca gcaaatcaga gactagcaag ctgggaaaac   60
aaagctcctg tgaggttagc ctactactct ctgaagacgg gaccacgccc aaatccaaga   120
agactcaagc tggcctttcc ccttatcccc agaaacccag ttcctcaaag gacagtgagg   180
acaccagcaa agagcccagc ctttctaccc agacgttacc tgtgatcaag tgctctgggc   240
agacttcaag act   253

<210> 41
<211> 271
<212> DNA
<213> Homo sapiens

<400> 41
gccaagagct ccatatattg ggtgtgagtt caggttgcct ctcacaatga aggaagttgg   60
tctttgtctg caggtgggct gctgagggtc tgggatctgt tttctggaag tgtgcaggta   120
taaacacacc ctctgtgctt gtgacaaact ggcaggtacc gtgctcattg ctaaccactg   180
tctgtccctg aactcccaga accactacat ctggcttggg caggtctgag ataaaacgat   240
ctaaaggtag gcagaccctg gacccagcct c   271

<210> 42
<211> 249
<212> DNA
<213> Homo sapiens

<400> 42
ctcccaagac ccagccgccg ccgttgaggg ctgagtcctt gctgtgggat gtgccagtgt   60
ccccaccaac accaggaatt tagacctttt ccctgcacca ctctcttcat cctggggggct   120
ctgttacact aatttgaata aactctcccc tttctttgca acttcccagc aacaataatg   180
attttcttgc caggccgtct cttgctccct aattcatttc ccaggaagct gtgatacagg   240
gtgaaataa   249

<210> 43
<211> 269
<212> DNA
<213> Homo sapiens

<400> 43
acacaatact atgatcatat ttctaaacaa aaggaagaaa ttcgcagatg catacaagac   60
ttttttcaaga aacacataca gtacaaattc ttagatgaag actttgtgtt cgatatatac   120
agagacagta gggggaaggt gtggctcatt gactttaatc catttggtga agtcacagat   180
tcactgctgt tcacctggga agaactgata tctgagaaca acttaaacgg cgattttagt   240
gaagttgacg ctcaagagca ggattcccc   269

<210> 44
<211> 307
<212> DNA
<213> Homo sapiens

<400> 44
ggacattgtg gacagcataa aaggagaatt atctgggcat tttgaagact tactgttggc   60
catagttaat tgtgtgagga acacgccggc ctttttagcc gaaagactgc atcgagcctt   120
gaagggtatt ggaactgatg agtttactct gaaccgaata atggtgtcca gatcagaaat   180
tgaccttttg gacattcgaa cagagttcaa gaagcattat ggctattccc tatattcagc   240
aattaaatcg gatacttctg gagactatga aatcacactc ttaaaaatct gtggtggaga   300
tgactga   307

<210> 45
<211> 254
<212> DNA
<213> Homo sapiens

11

<400> 45
atcaccacct ccctcccagc cccagcgcct cagccccagc cccagctcca gccctgagga   60
cagctctgat gggagagctg ggccccctga gcccactggg tcttcagggt gcactggaag   120
ctggtgttcg ctgtcccctg tgcacttctc gcactggggc atggagtgcc catgcatact   180
ctgctgccgg tcccctcacc tgcacttgag gggtctgggc agtccctcct ctccccagtg   240
tccacagtca ctga   254

<210> 46
<211> 254
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(254)
<223> n = A,T,C or G

<400> 46
gttcagtaag ggacaaactg tccacccaag gaacagcctg gcgatctttt taatgaggac   60
tgggactcgg agttgaaagc agatcaaggg aanccatatg atgctgacga catccaggag   120
agcatttctc aagagcttaa accttgggtg tgctgtgccc cacaaggaga catgatctat   180
gaccccagct ggcaccatcc gcctccactg ataccctatt attccaagat ggtctttgaa   240
acaggacagt ttga   254

<210> 47
<211> 221
<212> DNA
<213> Homo sapiens

<400> 47
aagaggagca ggaaaatggc aaagcctatt gtgtgcttgt tactggacca aatatggggg   60
gcaagtctac gcttatgaga caggctggct tattagctgt aatggcccag atgggttgtt   120
acgtccctgc tgaagtgtgc aggctcacac caattgatag agtgtttact agacttggtg   180
cctcagacag aataatgtca ggtgaaagta cattttttgt t   221

<210> 48
<211> 123
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(123)
<223> n = A,T,C or G

<400> 48
ataccatcaa tagcattnac ctagacagaa ttcttctgga tatccacatt ttcatgaagg   60
tcttccccaa agagaaactg aagcaatgca aaagtgaatt tcccataagg accctaaaga   120
ccc   123

<210> 49
<211> 248
<212> DNA
<213> Homo sapiens

<400> 49
caaaggcctt cctggatgct ctgcagaacc aggctgaggc cagcagcaag atcatcggcc   60
agtttggagt gggtttctac tcagctttca tggtggctga cagagtggag gtctattccc   120
gctcggcagc cccggggagc ctgggttacc agtggctttc agatggttct ggagtgtttg   180

12

```
aaatcgccga agcttcggga gttagaaccg ggacaaaaat catcatccac ctgaaattgg      240
actgcaag                                                              248


<210> 50
<211> 178
<212> DNA
<213> Homo sapiens

<400> 50
ggaaataatt taaagattta agctctggtg gatgattatc tgctaagtaa gtctgaaaat      60
gtaatatttt gataatactg taatacctgt cacacaaatg cttttctaat gttttaacct     120
tgagtattgc agttgctgct ttgtacagag gttactgcaa taaaggaagt ggatcatt       178


<210> 51
<211> 245
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(245)
<223> n = A,T,C or G

<400> 51
atttatattc tttgagtgtg agctttgaat agatggcatt atcactttat tgttttttta      60
acaanaactt tttctcaatt attctattgc aatgttattc tgagcaagtc ctatgccaaa     120
tatcttgtat aatgtttgta tggaagatta aattttactc ttgtgtggta agactatttc     180
agttactgat tttatagttg gaatttgata ttccagcaca aagtccacag tgtattcaga     240
aatcc                                                                 245


<210> 52
<211> 251
<212> DNA
<213> Homo sapiens

<400> 52
gtaaccacaa ttaagttgtt gtagcccttg cacttcaaga gatctagtct ttactttcag      60
ttgtctgtta ggtccattct gtttactaga cggatgttaa taaaaactat gcgagcctga     120
atgaattctc agccaaattt agtcttgtct ctcatcttga ttggattaat tccaaattct     180
aaaatgattc agtccacaat agctctaggg gatgaagaat ttgccttact ttgcccagtt     240
cctaagactg t                                                          251


<210> 53
<211> 268
<212> DNA
<213> Homo sapiens

<400> 53
ccctaccaat gcccctttaa gtgctgcagg ggtctggggt tggcaactcc tgaggcctgc      60
atgggtgact tcacattttc ctacctctcc ttctaatctc ttctagagca cctgctatcc     120
ccaacttcta gacctgctcc aaactagtga ctaggataga atttgatccc ctaactcact     180
gtctgcggtg ctcattgctg ctaacagcat tgcctgtgct ctcctctcag gggcagcatg     240
ctaacggggc gacgtcctaa tccaactg                                        268


<210> 54
<211> 248
<212> DNA
<213> Homo sapiens

<400> 54
```

13

```
gcgtcatgga gctgacctgg ttcccatcta ctcctttgga gagaatgaag tgtacaagca      60
ggtgatcttc gaggagggct cctggggccg atgggtccag aagaagttcc agaaatacat     120
tggtttcgcc ccatgcatct tccatggtcg aggcctcttc tcctccgaca cctggggggct    180
ggtgcctact ccaagcccat caccactgtt gtgggagagc ccatcaccat ccccaagctg     240
gagcacca                                                             248


<210> 55
<211> 268
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(268)
<223> n = A,T,C or G

<400> 55
aaaagacatt tacaactagg ccagggatta gccactgtng gagggtggac aggcaatggt      60
tcagtggcct ggctgttggc aggaactcca agtgcccagg cctcttgggc agcttagggc     120
cctgcctctg tttcatgatg catgggtcat tgtcttgggt gtcctatccc atatggagaa     180
gaaaggggggt ctaaattctg gcncttcttt ctttgggggnt ctctgtacct naggaaacca    240
ggcccngggt ganttttgcan atctgctc                                       268


<210> 56
<211> 168
<212> DNA
<213> Homo sapiens

<400> 56
aagatctagc atgtggattt taaaagattt gccctcatta acaagaataa catttaaagg      60
agattgtttc aaaatatttt tgcaaattga dataaggaca gaaagattga gaaacattgt     120
atattttgca aaaacaagat gtttgtagct gtttcagaga gagtacgg                 168


<210> 57
<211> 287
<212> DNA
<213> Homo sapiens

<400> 57
gcaacaccca aaggtggcct gcggggagcc atcacctagg actgactcgg cagtgtgcag      60
tggtgcatgc actgtctcag ccaacccgct ccactacccg gcagggtaca cattcgcacc     120
cctacttcac agaggaagaa acctggaacc agagggggcg tgcctgccaa gctcacacag     180
caggaactga gccagaaacg cagattgggc tggctctgaa gccaagcctc ttcttacttc     240
acccggctgg gctcctcatt tttacgggta acagtgaggc tgggaag                  287


<210> 58
<211> 256
<212> DNA
<213> Homo sapiens

<400> 58
gccgggaaga ccgtaattgt ggctgcactg gatgggacct tccagaggaa gccatttggg      60
gccatcctga acctggtgcc gctggccgag agcgtggtga agctgacggc ggtgtgcatg     120
gagtgcttcc gggaagccgc ctataccaag aggctcggca cagagaagga ggtcgaggtg     180
attggggggag cagacaagta ccactccgtg tgtcggctct gctacttcaa gaaggcctca    240
ggccagcctg ccgggc                                                    256


<210> 59
<211> 216
<212> DNA
```

14

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(216)
<223> n = A,T,C or G

<400> 59
atcctgggcg acccagaagc cctgagagac ctgctgaaca accacatctt gaagtcagct   60
atgtgtgctg aagccatcgt tgcggggctg tctgtagaga ccctggaggg cacgacactn   120
gaggtgggct gcagcgggga catgctcact atcaacggga aggcgatcat ctccaataaa   180
gacatcctag ccaccaacgg ggtgatccac tacatt   216

<210> 60
<211> 252
<212> DNA
<213> Homo sapiens

<400> 60
attacaacgg gctatacggt gaaaatcagt aattatggat gggatcagtc agataagttt   60
gtgaaaatct acattacctt aactggagtt catcaagttc ccactgagaa tgtgcaggtg   120
catttcacag agaggtcatt tgatcttttg gtaaagaatc taaatgggaa gagttactcc   180
atgattgtga acaatctctt gaaacccatc tctgtggaag gcagttcaaa aaaagtcaag   240
actgatacag tt   252

<210> 61
<211> 262
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(262)
<223> n = A,T,C or G

<400> 61
canggttgta caaaanaatt ttaatgnatt aactcatact gcctgtcttt tataggggaa   60
aaaaatnnac cttntttatt ntaaagttat aaggnnttna cctttnagtn gcttggatga   120
cagggaatta gcctaccccа tttnggnctg gaacagaaga ctttcaaatt taatatggtc   180
caagtgtctt cctactcaag gtaaacatta tctccaaaat nacatntatg antctaatat   240
ntggcattgt gtctgtatct aa   262

<210> 62
<211> 68
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(68)
<223> n = A,T,C or G

<400> 62
ccngcctggt gaaatacatg cactcnnggc cggtagttgc catggtctgg nnngggcngn   60
atgtggtg   68

<210> 63
<211> 262
<212> DNA
<213> Homo sapiens

<400> 63
```
ggagccagag ccgtgggttt tggtggggac tttgatggtg ttccaagggt ccctgagggg        60
ctggaggacg tctccaagta tccagacctg atcgctgagc tgctcaggag gaactggacg       120
gaggcggagg tcaagggcgc actggctgac aacctgctga gggtcttcga ggctgtggaa       180
caggccagca acctcacaca ggctcccgag gaggagccca tcccgctgga ccagctgggt       240
ggctcctgca ggacccatta cg                                               262
```

<210> 64
<211> 266
<212> DNA
<213> Homo sapiens

<400> 64
```
tgtacattct gtttgccatt gttacttgta ctatacatct gtatatagtg tacggcaaaa        60
gagtattaat ccactatctc tagtgcttga ctttaaatca gtacagtacc tgtacctgca       120
cggtcacccg ctccgtgtgt cgccctatat tgagggctca agctttccct tgtttttttga      180
aagggggttta tgtataaata tattttatgc cttttttatta caagtcttgt actcaatgac      240
ttttgtcatg acattttgtt ctactt                                           266
```

<210> 65
<211> 232
<212> DNA
<213> Homo sapiens

<400> 65
```
cggctgggaa gtcagttcgt tctctcctct cctctcttct tgtttgaaca tggtgcggac        60
taaagcagac agtgttccag gcacttacag aaaagtggtg gctgctcgag cccccagaaa       120
ggtgcttggt tcttccacct ctgccactaa ttcgacatca gtttcatcga ggaaagctga       180
aaataaatat gcaggaggga accccgtttg cgtgcgccca actcccaagt gg               232
```

<210> 66
<211> 238
<212> DNA
<213> Homo sapiens

<400> 66
```
ggcctcctca tccggcatcc ccaccaccgc tgctgctgcc acggtcccac agcgacccag        60
gcatcacgac ctccagtgac actgctgact tcagggacct ttataccaaa gtgcttgagg       120
aagaagctgc ttctgtttcc tctgcagata cagggctctg ctctgaagcc tgcctcttcc       180
gcctagcccg ctgcccttcc cccaagttgc tacgtgcccg gtcagccgag aaacggcg         238
```

<210> 67
<211> 255
<212> DNA
<213> Homo sapiens

<400> 67
```
ctccgctgga aatgcaaagt gattctagag agtgaagtaa ttgcagaagc agttggggtg        60
aagaaaactg tcaaatatga agctgctggg gaagctgtga aaaccctcaa aaagacccag       120
ccaactgtca ttaacaactt gaagaaagga gctgttgaag atgtgatttc aagaaatgaa       180
attcagggcc gctcagcaga ggaggcttac aaacagcaaa tcaaagaaga taatattgga       240
aatcagctgc tgaga                                                       255
```

<210> 68
<211> 259
<212> DNA
<213> Homo sapiens

<220>

16

<221> misc_feature
<222> (1)...(259)
<223> n = A,T,C or G

<400> 68
gaacggcggc cgtttcaact tttaaaggga gcggtccacg gcctccagcg tggggagcgc   60
ccgagtcctc tcggccacga gctggacgct cttcaggacg tttcaccgcc ccctcgcccc   120
gcacctccag ccttcccgac tcgcagagtc tcccgangcc ccttttcgcc tcgggtttat   180
ttattgactg tctttccccc tgtcctcgac agaagagtgg gaggtgagaa gcccgtctnc   240
tcagtgagcc agcatttca   259

<210> 69
<211> 267
<212> DNA
<213> Homo sapiens

<400> 69
cgcgagcaag atggccacca ccaagcgcgt cttgtacgtg ggtggactgg cagaggaagt   60
ggacgacaaa gttcttcatg ctgcgttcat tcctttttgga gacatcacag atattcagat   120
tcctctggat tatgaaacag aaaagcaccg aggatttgct tttgttgaat ttgagttggc   180
agaggatgct gcagcagcta tcgacaacat gaatgaatct gagctttttg gacgtacaat   240
tcgtgtcaat ttggccaaac caatgag   267

<210> 70
<211> 256
<212> DNA
<213> Homo sapiens

<400> 70
gaaaaatgca tttttttgtgg gagatcttgg aaagattgtg aagaaacaca gtcaatggca   60
gaatgtagtg gctcagataa agccattcta cacagtgaag tgcaactctg ctccagctgt   120
acttgagatt ttggcagctc ttggaaccgg atttgcttgt tccagtaaaa atgaaatggc   180
tttagtgcaa gagttgggtg tacctccaga aaacattatt tacataagtc cttgcaagca   240
agtgtctcag ataaag   256

<210> 71
<211> 244
<212> DNA
<213> Homo sapiens

<400> 71
ggagcagacg ggtcgcggcg agcgcgccta tgacatctac tcgcggctgc tgcgggagcg   60
catcgtgtgc gtcatgggcc cgatcgatga cagcgttgcc agccttgtta tcgcacagct   120
cctcttcctg caatccgaga gcaacaagaa gcccatccac atgtacatca acagccctgg   180
tggtgtggtg accgcgggcc tggccatcta cgacacgatg cagtacatcc tcaacccgat   240
ctgc   244

<210> 72
<211> 768
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(768)
<223> n = A,T,C or G

<400> 72
tttgganncc nnnnnntttg naanncnnca gnctacttgt tcttttttgca ggatcccatc   60
gattcgaatt cggcacgagg gaacctctat gctggggact attaccgtgt gcagggccgg   120

17

```
gcagtgctgc ccatccgctg gatggcctgg gagtgcatcc tcatggggaa gttcacgact      180
gcgagtgacg tgtgggcctt tggtgtgacc ctgtgggagg tgctgatgct ctgtagggcc      240
cagccctttg ggcagctcac cgacgagcag gtcatcgaga acgcggggga gttcttccgg      300
gaccagggcc ggcaggtgta cctgtcccgg ccgcctgcct gcccgcaggg cctatatgag      360
ctgatgcttc ggtgctggag ccgggagtct gagcagcgac caccctttc ccagctgcat       420
cggttcctgg cagaggatgc actcaacacg gtgtgaatca cacatccagc tgcccctccc      480
tcaggagcg atccagggga agccagtgac actaaaacaa gaggacacaa tggcacctct       540
gcccttcccc tcccgacagc ccatcacctc taatagaggc agtgagactg cangtgggct      600
gggcccaccc agggagctga tgccccttct cccttctgga cacactctca tgtcccttcc      660
tgttcttnct tctagaaccc tgtcgccacc actggtctgt ggatgggatc ctntcacctt      720
ctctaccatc cttgggaagg tggggagaaa ttaggataga cactggct                   768

<210> 73
<211> 788
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(788)
<223> n = A,T,C or G

<400> 73
gaanctcngc cttttgaccn angcangatc cctcgattcg aattcggcac gaggagaaat      60
actcactacg ccaaatcgtt acactacacc ctcaaaagct agaaaccagt gcctgaaaga      120
aactccaatt aaaataccag taaattcaac aggaacagac aagttaatga caggtgtcat      180
tagccctgag aggcggtgcc gctcagtgga attggatctt aaccaagcac atatggagga      240
gactccaaaa agaaagggag ccaaagtgtt tgggagcctt gaaaggggt tggataaggt       300
tatcactgtg ctcaccagga gcaaaaggaa gggttctgcc agagacgggc ccagaagact      360
aaagcttcac tataatgtga ctacaactag attagtgaat ccagatcaac tgttgaatga      420
aataatgtct attcttccaa agaagcatgt tgactttgta caaaagggtt atacactgaa      480
gtgtcaaaca cagtcagatt ttgggaaagt gacaatgcaa tttgaattag aagtgtgcca      540
gcttcaaaaa cccgatgtgg tgggtatcag gaggcagcgg cttaaagggc cgatgcctgg      600
gtttacaaaa agattagtgg gaagacatcc tatctagctt gcaaggtata aattggatgg      660
attcttccat cctgccggat gaattgtggg tgtgattaca gcctacttaa agactggtat      720
ganccgcttt gattttaaag ttcattggaa ctaccaactt ggtttcttaa gaacctttct      780
taagaact                                                               788

<210> 74
<211> 701
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(701)
<223> n = A,T,C or G

<400> 74
ncnnaggaaa acnctttgca aactcttgga ncccttttgca ggnatcccat cgattcgaat     60
tcggcacgag ggacagtgta caaggcccgt nttccccaca gtggccactt tgtggccctc      120
aagagtgtga gagtccccaa tggaggagga ggtggaggag gccttcccat cagcacagtt      180
cgtgaggtgg ctttactgag gcgactggag gcttttgagc atcccaatgt tgtccggctg      240
atggacgtct gtgccacatc ccgaactgac cgggagatca aggtaaccct ggtgtttgag      300
catgtagacc aggacctaag gacatatctg gacaaggcac ccccaccagg cttgccagcc      360
gaaacgatca aggatctgat gcgccagttt ctaagaggcc tagatttcct tcatgccaat      420
tgcatcgttc accgagatct gaagccagag aacattctgg tgacaagtgg tggaacagtc      480
aagctggctg actttggcct gccagaatct acagctacca gatggcactt acaccgtgg      540
ttggtacact ctggtacccg agctcccgaa gttcttctgc aagtccacat atgcaacacc      600
tgtggacatg tggaagtgnt ggctggatct ttgcagagat gtttcgtcga aagcctctct      660
```

18

```
tctgtggnaa cttgaaaccg accagttggc naaatctttg a                        701

<210> 75
<211> 694
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(694)
<223> n = A,T,C or G

<400> 75
gaantcnttt ncaagctatt ngatctnttt gcaggatccc atcgattcga attcggcacg     60
aggccagaca agcctgactc tgaggagcaa gccaagatag caaagcttgg acttaagctg    120
ggtttgctca cctctgacgc tgactgcgaa attgagaagt gggaagatca ggagaatgag    180
attgttcaat atggacggaa catgtccagt atggcctatt ctctgtattt atttactaga    240
ggagaggggc cactgaaaac ttcccaggat ttaattcatc aactagaggt ttttgctgca    300
gagggtttaa agcttacttc cagtgttcaa gctttttcaa aacagctgaa agacgatgac    360
aagcttatgc ttctcctgga aataaacaag ctaattcctc tatgccacca gctccagaca    420
gtaactaaga cttctttgca gaataaagta tttctaaagg ttgacaagtg tattacgaag    480
acaagatcca tgatggctct cttagtccaa cttctttcac tttgttataa actgctgaag    540
aagatggaaa ataacggatg ggtctcagtt acaaataagg acactatgga tagtaaaact    600
tgagaagctt ttggggtcag atctcttgga acatcatgtg atgaagctga cattttttaaa    660
aatcaaatga tcctttatct tttcagaaat tcat                                 694

<210> 76
<211> 738
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(738)
<223> n = A,T,C or G

<400> 76
gnnnnnnnnn nnntttnaan ncnnnnnntt ttgaatcccn tacantctac ttgttctttt     60
tgcaggatcc catccgattc gaattcggca cgagccagag ccttctctct cctgtgcaaa    120
atggcaactc ttaaggaaaa actcattgca ccagttgcgg aagaagaggc aacagttcca    180
aacaataaga tcactgtagt gggtgttgga caagttggta tggcgtgtgc tatcagcatt    240
ctgggaaagt ctctggctga tgaacttgct cttgtggatg ttttggaaga taagcttaaa    300
ggagaaatga tggatctgca gcatgggagc ttatttcttc agacacctaa aattgtggca    360
gataaagatt attctgtgac cgccaattct aagattgtag tggtaactgc aggagtccgt    420
cagcaagaag gggagagtcg gctcaatctg gtgcagagaa atgttaatgt cttcaaattc    480
attattcctc agatcgtcaa gtacagtcct gattgcatca taattgtggt ttccaaccca    540
gtggacattc ttacgtatgt tacctggaaa ctaagtggat tacccaaaca ccgcgtgatt    600
ggaagtggat gtaatctgga ttctgctaga tttcgctacc ttatggctga aaaacttggc    660
attcatccca gcagctgcca tggatggatt ttgggggaac atggcgactc aagtgtggct    720
gtgtggaatg gtgtgaat                                                   738

<210> 77
<211> 244
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(244)
<223> n = A,T,C or G
```

<400> 77

```
accgntctcg gnggctttna cccagtttgg ntcttccttg tggtgggagg agtgatgttc    60
attttgggat ttgcagggtg cattggagcg ctacgggaaa acactttcct tctcaagttt   120
tttnctgtgt tcctgggaat tattttcttc ctggagctca ctgccggant tctagcattt   180
gtcttcaaag actggatcan agaccagctg tatttcttta taaacaacaa catcagagca   240
tatc                                                               244
```

<210> 78
<211> 305
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(305)
<223> n = A,T,C or G

<400> 78

```
gnccagtgga gccccaaaat agaagcaaga tgaatattcc attccgcatt ggcaatgcca    60
aaggagatga tgcttagaaa aaagatttct tgataaagct cttgaactca atatgttgtc   120
cttgaaaggg cataggtctg tgggaggcat ccgggcctct ctgtataatg ctgtcacaat   180
tgaagacgtt cagaagctgg ccgccttcat gaaaaaattt ttggagatgc atcagctatg   240
aacacatcct aaccaggata tactctgttc ttgaacaaca tacaaagttt aaagtaactt   300
gggga                                                              305
```

<210> 79
<211> 260
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(260)
<223> n = A,T,C or G

<400> 79

```
ttcactttga atctatctgc accgtttatt agccagttct acaaggaatc attgatgaaa    60
gttatgcctt atgttgatat actttttgga aatgagacag angctgccac ttttgctaga   120
gagcaaggct ttgagactaa agacattaaa gagatagcca aaaagacaca agccctgcca   180
aagatgaact caaagaggca gcgaatcgtg atcttcaccc aagggagaga tgacactata   240
atggctacag aaagtgaagt                                               260
```

<210> 80
<211> 120
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(120)
<223> n = A,T,C or G

<400> 80

```
ggggaaagga ggtctcactg agcaccgtcc cagcatccgg acaccacagc gggcccttcg    60
ctccacgcag aaaaaccaca ctttctcaaa cctttcantc aacacttncc tttcccnaaa   120
```

<210> 81
<211> 282
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(282)
<223> n = A,T,C or G

<400> 81
atgattatca aggaagagga agaagatact gcagagaagc cntgnaagga agaggatgtc   60
gtgactccaa aaccaggcaa gagaaagaga gaccaggcag aggaggagcc caacagaanta   120
ccaagccgca gcctccgacg gaccaaactt aaccaagant caacagcccc caaagtgntt   180
ttccaggagt ggtggatgcn cnggggaaaac gggnttgtgc ntggctctgg ggggnttctg   240
gcggtttngc ggcagnggnt ccccncttgn cattattggn nc   282

<210> 82
<211> 231
<212> DNA
<213> Homo sapiens

<400> 82
cggcatcgtg tgataaaact gccaaaatgt gggacctcag cagtaaccaa gcgatacaga   60
tcgcacagca tgatgctcct gttaaaacca tccattggat caaagctcca aactacagct   120
gtgtgatgac tgggagctgg gataagactt taaagttttg ggatactcga tcgtcaaatc   180
ctatgatggt tttgcaactc cctgaaagtg ttacgtgctg acgtgatata c   231

<210> 83
<211> 294
<212> DNA
<213> Homo sapiens

<400> 83
agtcactagg atgcagatgg accacacttt gagaaacacc acccatttct acttttttgca   60
ccttattttc tctgttcctg agcccccaca ttctctagga gaaacttaga ggaaaagggc   120
acagacacta catatctaaa gctttggaca agtccttgac ctctataaac ttcagagtcc   180
tcattataaa atgggaagac tgagctggag ttcagcagtg atgcttttag ttttaaaagt   240
ctatgatctg gacttcctat aatacaaata cacaatcctc caagaattga cttg   294

<210> 84
<211> 518
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(518)
<223> n = A,T,C or G

<400> 84
gnnnnntaat naanaacntt tgcctnntaa accctttttg aaaaccatnn aagctcaang   60
ggactacggg aagcagcggg cagcggcccg cggtttncat tttngagatn tgggtgcaaa   120
agcccanggt tnggaaccgt aagcatgctg ngccccaaag gtttggccca tgtgctaagn   180
caagccaaca ctggnggcnt ncagagcacc ctgctgntga ataacgangg atcactgctg   240
gcctactctg nttacgggga cactgacgcc cgggtcaccn atgacatagc cngttacatc   300
nggnccgant actaccgnga acgggaacca atcttttaat gaagacaanc tcaaattcat   360
nctcatggac tgcntggang gccgtgtnnc catnaccvna gtggccaanc ttatgctgtn   420
aanatatgcc aaaagnnaccg ngggctttgg aatgctcanc gccantgccc aagnttttgt   480
gnactaccng gaggagccnc ttaaannann cncncccc   518

<210> 85
<211> 515

21

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(515)
<223> n = A,T,C or G

<400> 85
ttnntttgaa aancatttan ctacttgttt tttatgcagg atcccatcga ttcggacaca   60
ttggagctgg agagcccctc gctgacatcc acccnagtgt gcagccagaa ggtggtggtc   120
accacaccac tgcaccggga caagacaccc ctgcaccaga aacatgctgc gtttgtaacc   180
ccagatcaga agtactccat ggacaacact ccccacacgc caaccccgtt caagaacgcc   240
ctggagaagt acggacccct gaagcccctg ccacagaccc cgcacctgga ggaggacttg   300
aaggaggtgc tgcgttctga ggctggcatc gaactcatca tcgaggacga catcaggccc   360
gagaagcaga agaggaaacc tgggctgcgg cggagcccca tcaagaaagt ccggaagttt   420
ctggctcttg acattgtgga tgaggatgtg aagctgatga tgtncacact gcccaagtct   480
ctatccttgc cgacaaccct ttggggcccc cccct   515

<210> 86
<211> 757
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(757)
<223> n = A,T,C or G

<400> 86
ngtatttatc actcttgtct ttttgcagga tccctcgatt cgaattcggc acgaggtcaa   60
aagctgtcga aaccgttcac aatttgtgtt gcaacgagaa caaagggggcc tctgaactag   120
tggcagaatt gagcacactt tatcagtgta ttaggtttcc agtgggtagc aatggggtgt   180
gctgaagtgg gtggattgga ctgtatcaga accaaggtac tttcagctgc agactgacca   240
tacccctgtc cacctggcgt tgctggatga gatcagcacc tgccaccagc tcctgcaccc   300
ccaggtcctg cagctgcttg ttaagctttt tgagactgag cactcccagc tggacgtgat   360
ggagcagctt gagttgaaga agacactgct ggacaggatg gttcacctgc tgagtcgagg   420
ttatgtactt cctgttgtca gttacatccc gaaaaaaggg ttttggggnt ttctggagaa   480
gctggacact gacatttcac tcattcgcta ttttgtcact gaggtgctgg acgtcattgc   540
tcctccttat acctctgact tcgtgcaact tttcctnccc atcctggaga atgacagcat   600
cgcaggtacc atcaaaacng aaggcgagca tgaccctgtg acngagttta tagctcactg   660
caaatctaac ttcatcatgg tgaactaatt tagagcatcc ttcagactga acagaacatt   720
ccagacccg ttgtggaaaa cccttcaaga actgttt   757

<210> 87
<211> 732
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(732)
<223> n = A,T,C or G

<400> 87
ngnctttan antacanana caanctactt gttcttttg caggatccca tcgattcgaa   60
ttccgttgct gtcgcccgcg ccccgggcag gccagtcatg tgttaagttg cgcttctttg   120
ctgtgatgtg ggtgggggag gaagagtaaa cacagtgctg gctcggctgc cctgagggtg   180
ctcaatcaag cacaggtttc aagtctgggt tctggtgtcc actcacccac cccaccccccc   240
aaaatcagac aaatgctact ttgtctaacc tgctgtggcc tctgagacat gttctatttt   300

22

```
taacccctto ttggaattgg ctctcttctt caaaggacca ggtnctgttc ctctttctnc        360
ccgactccac cccagctccc tgtgaagaga gagttaatat atttgtttta tttattngct        420
ttttgcgnng ggatgggttc gtgtccagtc ccggggggtct gatatggnca tcacaggctg        480
ggtgttccca gcagccctgg cttgggggct tgacgccctt cccttgcccc aggccatcat        540
ctncccactc tnctnccctc ttcttagtat tgccgactgc tnttcatctg agtcaccatt        600
tactccaagc atgtatncca nacttgncac tgactnttct tctggagcan gtggctanaa        660
aaaaaagctg tnggcangaa aaaaangctc ctgtntctca tntgtgaagn cagcctctgg        720
gcttttctgc cg                                                           732
```

<210> 88
<211> 541
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(541)
<223> n = A,T,C or G

<400> 88
```
attatntcag ctcttgttct ttttgcagga tccctcgatt cgaattcggc acgagccgtc         60
acttacggcc ggagctgttt gtgctgggag ctggtggcgc ggtgcagggc tcttaagaac        120
gaacggcttg ggcgcggact ggtatccggg gactgtgact tgcagggtcc gccatggagc        180
cagagcagat gctggaggga caaacgcagg ttgcagaaaa tcctcactct gagtacggtc        240
tcacagacaa cgttgagaga atagtagaaa atgagaagat taatgcagaa aagtcatcaa        300
agcagaaggt agatctccag tctttgccaa ctcgtgccta cctggatcag acagttgtgc        360
ctatcttatt acagggactt gctgtgcttg caaaggaaag accaccaaat cccattgaat        420
ttctagcatc ttatctttta aaaaacaagg cacagtttga agatcgaaac tgacttaatg        480
ggaagaacag aaaaatttag ttgctactgt agatttacat gattaaggaa aggggccccc        540
a                                                                        541
```

<210> 89
<211> 715
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(715)
<223> n = A,T,C or G

<400> 89
```
tttattccat tcacctattc anctacttgn tcttttttgca ggatcccatc gattcgaatt         60
ccgttgctgt cggcggctgc agcggncttg taggtgtccg gctttgctgg cccagcaagc        120
ctgataagca tgaagctctt atctttggtg gctgtggtcg ggtgtttgct ggtgccccca        180
gctgaagcca acaagagttc tgaagatatc cggtgcaaat gcatctgtcc accttataga        240
aacatcagng ggcacattta caaccagaat gtatcccaga aggactgccc tgtctctctc        300
tgttgtagca actgcctgca cgtggtggag cccatgccag tgcctggcca tgacgtggag        360
gcctactgcc tgctgtgcga gtgcaggtcg aggagcgcag caccaccacc atcaaagtca        420
tcattgtcat ctacctgtcc gtggtgggtg ccctgtttgg ccnttttcccc nttcatggcc        480
ttctgatgct ggtggacctc tgatccgaaa gccggatgca tacactgagc aactgacaat        540
gaggaggaga atgaggcccc angagggnag ggnccccatct gagatctcag aactaagctt        600
cacaacctgc acactgtgtc actctgaatg naaggaaggt ctcagctgac attgggagcc        660
agctccagct gggaagatct cnttatgcan actgtgatcc tcgggaccca caact           715
```

<210> 90
<211> 762
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(762)
<223> n = A,T,C or G

<400> 90
nttatcagct cttgttcttt ttgcaggatc ccatcgattc gaattcggca cgaggccact   60
gccgtctccg ccgccactgg gcccccagag ccccagcccc agagcctagg aacctggggc   120
ccgctcctcc ccctccagg ccatgaggat tctgcagtta atcctgcttg ctctggcaac   180
agggcttgta gggggagaga ccaggatcat caagggggttc gagtgcaagc ctcactccca   240
gccctggcag gcagcccgt tcgagaagac gcggctactc tgtggggcga cgctcatcgc   300
ccccagatgg ctcctgacag cagcccactg cctcaagccc cgctacatag ttcacctggg   360
gcagcacaac ctccagaagg aggagggctg tgagcagacc cggacagcca ctgagtcctt   420
cccccacccc ggcttcaaca acagcctccc caacaaagac caccgcaatg acatcatgct   480
ggtgaagatg gcatcgccag tctccatcac ctgggctgtg cgacccctca ccctctcctc   540
acgctgtgtc actgctggca ccagctgcct catttccggc tggggcaaca cgttcagccc   600
ccaattacgc ctgcctnaac cttgcgatgc gccaacatac catcattgac accagaatgt   660
gagaacgcct acccggcaac atcacagaca ccatggtgtg tgccaacgtg cangaanggg   720
gcaaggattc tggcaggtga cttcggggcc cttttggttg ta   762

<210> 91
<211> 315
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(315)
<223> n = A,T,C or G

<400> 91
gtcctgcagg ccatctacgt gattgacttc ttctggaacg aaacctggta cctgaagacc   60
attgacatct gccatgacca cttcggggtgg tacctggggc tggggcgact gtgtctggct   120
gccttatctt tacacgctgc agggtctgta ttggtgtacc accccgtgca gtgtccaacc   180
cgcaagccgt ggcgtcctgt gcttggctng tgggnaatac atctccgggt ggcaaccaca   240
agaagactnt tcgcggnaga ntggccntgc tnattgggna gaanccaagn tcatcgaggc   300
nctaaaatcg ggagg   315

<210> 92
<211> 79
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(79)
<223> n = A,T,C or G

<400> 92
ggaaagatgg cgtcccgcaa ggnaggtacc ggcttctact gccacctctt tccagcttcc   60
accggccggc gcagcaggg   79

<210> 93
<211> 831
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(831)

<223> n = A,T,C or G

<400> 93
```
tncntnttng nntntaatcc cttccccatt ccnctacttg ttcttttttgc aggatcccat       60
cgattcgtca ctactcagct tttggctctg tgntntagtg gnttcgggcc atcaaaatgg      120
gaagatacga agaaagtttc gcagccgctg gctttggctc cttcgagctg gtcagccaga      180
tctctgctga ggacctgctc cgaatcggag tcactctggc gggacaccag aagaaaatct      240
tggccagtgt ccagcacatg aagtcccagg ccaagccggg aaccccgggt gggacaggag      300
gaccggcccc gcagtactga cctgcaggaa ctccccaccc cagggacacc gcctccccat      360
tttccggggc anagtgggga ctcacagagg cccccagccc tgtgccccgc tggattgcac      420
tttgagcccg tggggtgagg agttggcaat ttggagagac aggatttggg ggttctgcca      480
taatangagg ggaaaatcac cccccaccac ctcggggaac ttcagaccaa nggtgagggc      540
gcctttncct caagactggg tgtgaccaga ggaaaaggaa gtgcccaaca tcttccaacc      600
ttcccaagtg cccccctcac cttgatgggn gcgttcccgc ngaccaaaaa anagtgtgac      660
ttcccttgcc ngcttccaaa ntggggggg gcttgtnccc aggggcaaa naangggtgt      720
taagggcccc atgaccaaaa acaattgggg tttggtggnc ccnaanttgg tggttgtcac      780
caccaaactt naatantttt ttttcccttg taaatgcccc ttcccccant g             831
```

<210> 94
<211> 806
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(806)
<223> n = A,T,C or G

<400> 94
```
annttnattg nanngaaatc cnttcnacnn gncccnttgc aggatccctc gattcgaatt       60
cggcacgagc ccaccatcac ngaggccntg gtagcacgnt ttcgganaag ccatccctgc      120
ctnagaagcn gagcaggctg nggagcanga agcttcctga catgggctgc agtcttcctg      180
agcacagggc acaccaagaa gcaagccata ggcngntctg tgagtcaaag aatgggcccc      240
cttatcccca gggagctggc cagttagatt atgggtccaa agggattcca gacacttctg      300
agccagtcag ctaccacaac tctggagtaa aatatgctgc atccgggcaa gaatctttaa      360
gactgaacca caaanaggta aggctctcca aagagatgga gcgaccctgg gttaggcagn      420
cttctgcccc agagaaacac tccananact gntacaagga ggaagaacac ctcactcagt      480
caatcntccc accccctaaa ccaganagga gtcatagcct gaaactccat catncccaga      540
acgtggagag ggaccccant gtgctgtacc agtaccaacc acacggcaag cgccagagca      600
gtgtgactgt tgtgtcccag tatgatnacc tgnaaanatta ccacttgctg cctcagcacc      660
ancgangagt cttttggagg gggcnngtat gngggacnnt ttgtgccccc cttgggtttt      720
nccnattcac aaaaagcaag gaccttatnc tttcagcgtt gggtcaaggg ggctttnctg      780
ccccccaaaa ttttttccttg cacatt                                          806
```

<210> 95
<211> 314
<212> DNA
<213> Homo sapiens

<400> 95
```
cggacggtgg ggaaacgctc tatctagttt acctagcaaa agctcaaaac tgcgctagta       60
tggacttttt ggacagactt agttttttgca cataaccttg tacaatcttg caacagaggc      120
cagccacgta agatatatat ctggactctc ttgtattata ggatttttct tgttctgaat      180
atccttgaca ttacagctgt caaaaacaaa aactggtatt tcagatctgt tttctgaaat      240
cttttaagct aaaatcacat gcaagaattg actttgcagc tactaatttt gacacctttt      300
agatctgtat aaaa                                                         314
```

<210> 96
<211> 255
<212> DNA
```

25

<213> Homo sapiens

<400> 96
ccacaacctg ctcatgggtg acaccaagga gcagcgcatc ctgaaccatg tgctgcagca   60
tgcggagccc gggaacgcac agagcgtgct ggaggccatt gacacctact gcgagcagaa   120
ggagtgggcc atgaacgtgg gcgacaagaa aggcaagatc gtggacgccg tgattcagga   180
gcaccagccc tccgtgctgc tggagctggg ggcctactgt ggctactcag ctgtgcgcat   240
ggcccgcctg ctgtc   255

<210> 97
<211> 261
<212> DNA
<213> Homo sapiens

<400> 97
ccaacctgga gctccactcc ctctccactg gccgtcttcc cagagttgtg acagccaatc   60
ggatgctgaa gcagatgctt ttcaggtatc aaggttacat tggtgcagcc ctagtttag   120
ggggagtaga tgttactgga cctcacctct acagcatcta tcctcatgga tcaactgata   180
agttgcctta tgtcaccatg ggttctggct ccttggcagc aatggctgta tttgaagata   240
agtttaggcc agacatggag g   261

<210> 98
<211> 734
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(734)
<223> n = A,T,C or G

<400> 98
ttttcttcaa ctacttgttc tttttgcagg atcccatcga ttcgaattcc gttgctgtcg   60
aggggacaag cttcgtttca ggggtctgcc gttccatcct ggttcagaga aggccgagcg   120
tggctttctc tagccttgtc actgtctccc tgcctgtcaa tcaccacctt tcctccagag   180
gaggaaaatt atctcccctg caaagcccgg ttctacacag atttcacaaa ttgtgctaag   240
aaccgtccgt gttctcagaa agcccagtgt tttttgcaaag aatgaaaagg gaccccatat   300
gtagcaaaaa tcagggctgg gggagagccg ggttcattcc ctgtcctcat tggtcgtccc   360
tatgaattgt acgtttcaga gaaatttttt ttcctatgtg caacacgaag cttccagaac   420
cataaaatat cccgtcgata aggaaagaaa atgtcgttgt tgttgttttt ctggaaactg   480
cttgaaatct tgctgtacta tagagctcaa aaggacacag cccgtcctcc cctgcctgcc   540
tgattccatg gctgttgtgc tgattccaat gctttcacgt tggttcctgg cgtgggaact   600
gctcttcttt gcagccccat ttccaagctc tgttcaagtt aaacttatgt nagctttccg   660
tggcattgcg gggcgcgcac cccgttcccg ctgcgtaaga ctcttntntt tggatgccaa   720
tncacangcc tgaa   734

<210> 99
<211> 736
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(736)
<223> n = A,T,C or G

<400> 99
agtcnttgga nttcanatac angctacttg ttctttttgc aggatcccat cgattcgaat   60
tccgttgctg tcggctggcg tcaagagcag ttgactcact gatgaaggcc ctggtgagga   120
gaaagcactc tgttcttcgc ctactctgta atcgttttgt cataatgagc catgaaaaaa   180

26

```
gtaatgaact tgtgctgnta atcgtcactg taatgagaag tcttacgtac aacatagctg        240
nggtggctgc gtggtttaat ggctgcatta gataggatcc tcacatccca ttcagaacca        300
aaactgatac agtgaaacaa ttaaggtgag caaatagttt taacctttct ttttttttt         360
ttaagtttca ttcttcctag aatattttc taacaatttt tatttcagct ttaaagatgg        420
gtcatatagc caaacgggcc atataatcca acattgttga gatgtnttan gacatctaag        480
gcaaaactgg cacatttgtt ctgcanacta ttgcaggaat gtttttcct agcatttcta        540
tattatctgt ccattctgag gaaccagtga atgtcctata aatgcacctn ctgtcaaaac        600
catgcctgat angtcccggc tgggantgac anggtgcttc ttaaattcta ttggcccttc        660
tntcattctc cgnacttact ccttttatg ggtnaggtca aatanggtta cagtcccttt        720
tttttaatgc ctaagt                                                         736


<210> 100
<211> 732
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(732)
<223> n = A,T,C or G

<400> 100
tnncatntag anntcnanct acttgttctt tttgcangat cccatcgatt cgaattccgt         60
tgctgtcgcc ggctngagct caccacctac ctctttggcc aggacccttg accagccagg        120
cctgaaggaa gacctgcgga tggacaggag cgggcaggcc cgcacatatc cacttgctgg        180
agcccatgtt tacagacagg gacatacacc atgcagatcc tgagttcctg ctgtatgagc        240
agggatatcc atgcttatgt atccaaacac agagacccat gggaacaaat gagacacata        300
tagatactga gacctgtgtg tacagtanga ccatgcactc acacccatct ggagagggag        360
ccccnggtat accaagggag ccagttgtgt tcanacacac acatcacagc ttgactcact        420
aactgangcc tttccatagc tncacanntt nccanctcct cnccaccaaa ccggggttnt        480
agagttaagg atggggagg gtattatact gcctnantct gacttctcna nccaacaatn        540
aattttaggg gatgatgggg aagaagagct gcctttagga ggccctcttc acctgcagct        600
atgatgccct tccnttttcc ttgtcctcac catatgctta tcnccattnt actcccatgt        660
tatgctngag cccctgtggc ttgttcacaa gccctaagna acaaaaatca tctggngaaa        720
naagnattta nt                                                             732


<210> 101
<211> 706
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(706)
<223> n = A,T,C or G

<400> 101
tngattngat acagctctag tctatacncg ctactngttc tttttgcagg atcccatcga         60
ttcgaattcc gttgctgtcg agcaaaacca tactccaaga aagcatcatc aacatcacca        120
ccagcagcng caccaccagc agcaacagca gcagccgcca ccaccgncaa tacctgcnaa        180
tgggcaacag gccagcagcc aaaatgaagg cttgactatt gacctgaaga attttagaaa        240
accangagag aagaccttca cccaacgaag ccgctttttg tgggaaatct tcctccccgac       300
atcactgagg aagaaatgag gaaactattt gagaaatatg gaaaggcang cgaagtcttc        360
attcataagg ataaaggatt tggctttatc cgcttggaaa cccgaaccct ancggagatt        420
gccaaagtgg agctggacaa tatgccactc cgtggaaagc agctgcntgt gcgctttgcc        480
tgccatagtg catcccttac agttcgaaac cttcctcagt atgtgtncaa cgaactgctg        540
gaagaagcct tttctgtgtt tggccatgta ganagggctg tagtcatngt ggatgatcga        600
ggaaggccct caggaaaagg cattggtnag ttctcaaggg aagccacttg ctcggaaaaa        660
gctctggaca gatgcagtga aagcttcttt tctggttaac cacatt                        706
```

```
<210> 102
<211> 924
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(924)
<223> n = A,T,C or G

<400> 102
annnnnannn ngnnnnnnna nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnac      60
nnacngnnnn nnnnnnnnng ggggnnnnnc nnncnnnnnn nancnnnnnn nnnnnnnnnn     120
nnncgagcgg tttntttgta ncaacctcnc aaactacctg ggttcntttt gcaaggaacc     180
catcgattcg aattccgttg ctgtcgagcc agccaggcct gtcgtctggg acccaggagg     240
cctctgatga ccaagggctt tcacatccta agtcatttgg aaggaggcct tgagaacaaa     300
gtcacctttg ncactcccag tgaactgaat gaggaacatg ctggctcctg tctnggcctc     360
ccctttcang agatactggg gagaagagaa cattcctcct ggcttaggtg nagcaagacc     420
cangacctgg tgcccagntt tggtcccccn tcccaacttc nnaaagcacg nggctgcaga     480
gccaccttgg tctgagccac ctgagggacc aagccccctc ctncctcaga aggcgggnca     540
tctcttaggg gganattctt aaagntgaaa aaaagggggg gggggggaacc atanntgccc     600
ctccctcccc atcaaaannt tccttncatt naacttngcn nnaaaatgag tcantataaa     660
gaaaactcta tttgggtgga ggggatatnc cacttctggg gaaaancatt acaaattcaa     720
acccgcttct cntcagtttn attttaagaa tgctttttng ttgcagaacc gnggagctcc     780
taaaagtgga aagnccnccc nagnggtgtg gtggnngaan aaaaaaaaan accttggnna     840
acctccattt acaggctngg gcccttatct taacnattaa acccaaggan ccngaagccc     900
nggcnnggga atttgnctna ancn                                           924


<210> 103
<211> 511
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(511)
<223> n = A,T,C or G

<400> 103
gnnnnnnnnn ttttnaattt ncatacangc tacttgttct ttttgcagga tcccatcgat      60
tccgaattcc gttgctgtcg atcctgggcc acccctacga cgtggccatt gacatgtgga     120
gcctgggctg catcacggcg gagttgtaca cgggctaccc cctgttcccc ggggagaatg     180
angtggagca gctggcctgc atcatggagg tgctgggtct gccgccagcc ggcttcattc     240
agacagcctc caggagacag acattctttg attccaaagg ttttcctaaa aatataacca     300
acaacagggg gaaaaaaaga tacccagatt ccaaggacct cacgatggtg ctgaaaacct     360
atgacaccag cttcctggac tttctcagaa ggtgtttggt atgggaacct tctcttngca     420
tgaccccgga ccaggccctc aagcatgctt ggattcatca gtctcggaac ctcaaaaggg     480
ccccaaccag ggcccccccn aagggccccc c                                   511


<210> 104
<211> 715
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(715)
<223> n = A,T,C or G

<400> 104
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gnnnttnaan tatanataca nctacttgtt cttttttgcag gatcccatcg attcgaattc      60
cgttgctgtc gctcagctga gttttgaact gagtgaattt cgaagaaaat atgaagaaac     120
ccaaaaagaa gttcacaatt taaatcagct gttgtattca caaagaaggg cagatgtgca     180
acatctggaa gatgataggc ataaaacaga gaagatacaa aaactcaggg aagagaatga     240
tattgctagg ggaaaacttg aagaagagaa gaagagatcc gaagagctct tatctcaggt     300
ccagtttctt tacacatctc tgctaaagca gcaagaagaa caaacaaggg tagctctgtt     360
ggaacaacag atgcaggcat gtactttaga ctttgaaaat gaaaaactcg accgtcaaca     420
tgtgcagcat caattgcatg taattcttaa ggagctccga aaagcaagaa atcaaataac     480
acagttggaa tccttgaaac agcttcatga gtttgccatc acagagccat tagtcacttt     540
ccaaggagag actgaaaaca gagaaaaagt tgccgcctca ccaaaaagtc ccactgctgc     600
actcaatgaa agcctggtgg aatgtnccaa gtgcaatata cagtatccag ccactgagca     660
tcgcgatctg cttgtccatg tggaatactg gtcaaagtac aaaataagta tttgt          715


<210> 105
<211> 715
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(715)
<223> n = A,T,C or G


<400> 105
tttttttaaa atacatncaa ctacttgttc tttttgcagg atcccatcga ttcgaattcc      60
gttgctgtcg agcatgacca ancagctggg tgacttntgg acacggatgg aggactccgc     120
caccaagccc ggcagcaggg ggcagaggca gtccaggccc agcagcttgc ggaaggtgcc     180
agcgagcagg cattgagtgc ccaagaggga tttgagagaa taaaacaaaa gtatgctgag     240
ttgaaggacc ggttgggtca gagttccatg ctgggtgagc agggtgcccg gatccagagt     300
gtgaagacag aggcagagga gctgtttggg gagaccatgg agatgatgga caggatgaaa     360
gacatggagt tggagctgct gcggggcagc caggccatca tgctgcgctc agcggacctg     420
acaggactgg agaacgtgtg gagcagatcc gtgaccacat caatgggcgc gtgctctact     480
atgccacctg caagtgatgc tacagcttcc acccgttgcc ccactcatct gccgctttgc     540
ttttggttgg gggcagattg ggttggaatg ctttccatct tcaggagact ttcatgtagc     600
ctaaagtaca gcctggacca cccctggtgt gtacttagta aaaatacccct gaacttgcaa     660
cttaaccttg acccaatggg acaantacac tttgacaana caaagatng tngga           715


<210> 106
<211> 728
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(728)
<223> n = A,T,C or G


<400> 106
tggcttttna aaacccttan acaanctact tgttctttttt gcaggatccc atcgattcga      60
attccgttgc tgtcggccag gaactgcatg ctgaatgaga acatgtccgt gtgtgtggcg     120
gacttcgggc tctccaagaa gatctacaat ggggactact accgccaggg acgtatcgcc     180
aagatgccag tcaagtggat tgccattgag agtctagctg accgtgtcta caccagcaag     240
agcgatgtgt ggtccttcgg ggtgacatgt gggagattgc acaagaggc caaacccccat     300
atccgggcgt ggagaacagc gagatttatg actatctgcg ccagggaaat cgcctgaagc     360
agcctgcgga ctgtctggat ggactgtatg ccttgatgtc gcggtgctgg gagctaaatc     420
cccaggaccg gccaagtttt acagagctgn gggaagattt ggagaacaca ctgaangcct     480
tgcctnctgc ccaggagcct gacgaaattc tctatgtcaa catggatgag ggtggaggtt     540
atncttgaac cccctgnact tgcagganga ctgaccccccc caacccaanc anaccctaag     600
ggattnctgt acttgcctca cttgcgggct gaggtccatc ctggttggac gcttttgtcc     660
ttttgcccttt tncaacaacc ccttaaccccc gcttaaacct gtttataagg ggcttcccca     720
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29

ncagccct   728

<210> 107
<211> 656
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(656)
<223> n = A,T,C or G

<400> 107
gncttttgaa nnnccttnac cactacttgt gtctttttgc aggatcccat cgattcgaat   60
tccgttgctg tcggactatg atgccaactt taaaataaag gacttccctg aaaaactaag   120
gntatctttn ttgaagctca cctttgtcta aataactcag accatgaccg acttcatacc   180
ttggtaactg aacactgttt tccagacatg acttgggaca tcaaatataa gaccgtccgc   240
tggagctttg tggaatcttt agagccctct catgttgttc aagttcgctg ttcaagtatg   300
atgaaccagg gcaacgtgta cggccagatc accactctgg ccatctatga ccggtttggc   360
cggttgatgt atggacagga agatgtaccc aaggatgtcc tggagtatgt tgtattcgaa   420
aagcagttga caaaccccta tggaagctgg agaatgcata ccaagatcgt tcccccatgg   480
gcacccccta agcagcccat ccttaagacg gtgatgatcc ctggccctca gctgaaacca   540
gaagaagaat atgaagaggc acaaggagag gcccagaagc ctcagctagc ctgatgacaa   600
aaatgacttc tagggtgaag cctgggtgat gaggctgctg gaagctttga agtctc   656

<210> 108
<211> 880
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(880)
<223> n = A,T,C or G

<400> 108
tnttattana tcanctcttg tcttttttgca ggatccctcg attcgaattc ggcacgaggc   60
cggctccagg gccatgaagc ccccaggagg agaatcgagc aatcttttg gaagtccaga   120
agaagctact ccttccagca ggcctaatag gatggcatct aatattttg gaccaacaga   180
agaacctcan aacataccca agaggacaaa tcccccaggg ggtaaaggaa gcggtntctt   240
tgacgaatca accccgtgc agactcgaca gcacctgaac ccacctggag ggaagaccag   300
cgacattttt gggtctccgg tcactgccac ttcacgcttg gcacacccaa acaaacccaa   360
ggatcatgtt ttcttatgtg aaggagaaga accaaaatcg gatcttaaag ctgcaaggag   420
catccgggct ggagcagacc aggtgagaaa ggcagcgcca gaaaagcagg ccccgncaag   480
gagcangaac ccatgcccac agtctacagc catgancccc ggctggggcc gcggnctcgc   540
tctnacaaca aggtcctgaa ccccaccggg angcaaaatn cagcatcttc cttctactta   600
agagaaancc actgnttcaa ncccggagcc cagacccaga aaacttnaaa gaagaatagg   660
ggtaagccca tggtttntca aattttccct tttgggcccc aaaatggaac ccggggggttn   720
gggnaaaaaa aggggtttaa gtcccttaat tgttgaaanc ccttgggctt cgctccatct   780
ctctctcttc ttngcctctc tcccattgga nccctccttt gccttttggn aaacaacccc   840
cnttgnccct ttcccaaaaa ttnggncttn ggccaaanat   880

<210> 109
<211> 668
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(668)

<223> n = A,T,C or G

<400> 109
cgnttaannn cntnatntac atcanctact tgttcttttt gcaggatccc atcgattcgc   60
gcgagcgtct gggcgggtgg taggtgagtg ggtattgcgg gctagtatcc gagcaaaaga   120
tggtggcgca ggccgagtta agagctttaa tcctgtgaag acatcttagt gaagagttta   180
gagtgctgag agttgaaagc ttgcacgtgg gaaacgtgcg gccggactgc cacatgtact   240
gaggttgagt cgtgacggcc acaggctccg agttttggcg tgaggaaccg ctgatcggcc   300
acgggcgccg aacttgctgg cctccggcat gtgcctgagc ggcggcggaa aaaccacctt   360
aattggggcg gagggttagt tttaacagca aagggccttt actaaaatgg cgaacgcctt   420
ccgtcggcgt tgttttaaaa tgggaagcct cgaccctgta ttgaaactga gctgttcgaa   480
ggcggcgttg tgtgcaattc cgattaatga aggggaaggg ttttgtgtgg aaaaacncct   540
tggagtgtga catttctgcn agaatgctta aataccgatt tnccncagga acaatggcgc   600
tgtnttcant ggcacagtgg ancagctctg nagatgcaaa gatnccccaa aaaaaaaaac   660
ctttttttt   668

<210> 110
<211> 276
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(276)
<223> n = A,T,C or G

<400> 110
gtcagagctg cctncgattt ggtaaaatgt gctgcgagaa gtggagccgc gtggcggcaa   60
atgtttctct tcactgagga gcgggaggat tgtaagatac tgtgcctttg ctccagggca   120
tttgtggagg atcgaaaatt gtacaatttg ggattaaaag gctattacat cagagacagt   180
ggcaacaatt caggagacca ggcgacagaa gaagaggaag gtggttattc ctgtggtact   240
gcagaatcac atgacagcaa aggcataggc ctggct   276

<210> 111
<211> 701
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(701)
<223> n = A,T,C or G

<400> 111
ttnatccntt tnnnatacaa gctacttgtt ctttttgcag gatcccatcg attcgaattc   60
ggcacgagga gaaactcaaa agtaggaagc tcctccttcc tggagaactg tcacagtgac   120
ttcaggtcac caaagggagg aggtacagaa agatgctggt gtatgtgacg aggctggtgg   180
ccactgaagc accacagtgc agtgggaaga aacaaggaga gacaagctgg gtccccacct   240
aggaaacaga ngtgtggcaa ccgggccang gctggcacan gctggggggcc aaggggagga   300
gctccctgac gaccagtgct tttcggggcc tcggtggtgg ttgcaagaaa ttgcctacca   360
aaacttcacc cactgcanca ngccaagttg cacccgggaa gccgaggaag aangtgagac   420
tccccccttt gcaggggtct tgactgagta cttnccacca tagcagtggg atacgcatgc   480
tggttgtaat tgtagntctg atcggctctg ctgcacgttt ctgcagtgat gacgcgtccg   540
caccctnaat aattgctttc cagttgaaga aaggaatgtt ctgnttgaaa tcctccanan   600
tcggctgaat aaaagaggct cgggtgctgg ggggcnggac ctggttcttg ntatgcatnc   660
cattgatgaa acccacttgg attaaaatct tncanaaagg g   701

<210> 112
<211> 227
<212> DNA

31

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(227)
<223> n = A,T,C or G

<400> 112
gccaaggagt ggcaggccct ctgtgcctac caagcagagc caaacaactg tgccaccgcg   60
cagggggagg gcaacatcaa aaagaaccgg catnctgact tnctgcccta tgaccatgcc   120
cgcataaaac tgaaggtgga gagcagccct tntnggagcg attacattaa cggcagcccc   180
attattgagc atgaccctng gatgccagct acgnaggcaa ggagggt   227

<210> 113
<211> 243
<212> DNA
<213> Homo sapiens

<400> 113
agaaaacaca tgaaaccctg agtcacgcag ggcaaaaggc aactgcagct ttcagcaacg   60
ttggaacggc catcagcaag aagttcggag acatgagtta ctccattcgc cattccataa   120
gtatgcctgc tatgaggaat tctcctactt tcaaatcatt tgaggagagg gttgagacaa   180
ctgtcacaag cctcaagacg aaagtaggcg gtacgaaccc taatggaggc agttttgagg   240
agg   243

<210> 114
<211> 310
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(310)
<223> n = A,T,C or G

<400> 114
taagatggaa gcgttttttgg ggtcgcggtc cggactttgg gcggggggtc cggccccagg   60
acagttttac cgcattccat ccactcccga ttccttcatg gatccggcgt ctgcacttta   120
cagaggtcca atcacgcgga cccagaaccc catggtgacc gggacctcag tcctcggcgt   180
taagttcgag ggcggagtgg tgattgccgc agacatgctg ggatcctacg gntccttggn   240
tcgtttccgc aacatctntc gcattatgcg agtcaacaac agtaccatgc tgggtgcctn   300
tggcgactac   310

<210> 115
<211> 706
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(706)
<223> n = A,T,C or G

<400> 115
nttnagatac aagctacttg ttcttttttgc aggatcccat cgattcgaat tcggcacgag   60
ggaacctcta tgctggggac tattaccgtg tgcagggccc gggcagtgct gcccatccgc   120
tggatggcct gggagtgcat cctcatgggg aagttcacga ctgcgagtga cgtgtgggcc   180
tttggtgtga ccctgtggga ggtgctgatg ctctgtaggg cccagccctt tgggcagctc   240
accgacgagc aggtcatcga gaacgcgggg gagttcttcc gggaccaggg ccggcaggtg   300
tacctgtccc ggccgcctgc ctgcccgcag ggcctatatg agctgatgct tcggtgctgg   360

32

```
agccgggagt ctgagcagcg accacccttt tcccagctgc atcggttcct ggcagaggat      420
gcactcaaca cggtgtgaat cacacatcca gctgcccctc ctcagggagc gatccagggg      480
aagccagtga cactaaaaca agaggacaca atggcacctc tgcccttccc tcccgacagc      540
ccatcacctc taatagaggc agtgagactg cangtgggct gggcccaccc agggagctga      600
tgcccttct ccccttcctg gacacactct catgtcccct tnctgttctt ccttnctaaa      660
accctgtcg ccaccactgg tcctgtggat nggatctttt ncacct                    706


<210> 116
<211> 731
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(731)
<223> n = A,T,C or G

<400> 116
tnntttagan acagctcttg ttcttttgc aggatcccat cgattcgaat tcggcacgag      60
gagtaaatac tcactacgcc anatcgttac actncaccct caaaagctag aaaccagtgc      120
ctgaaagaaa ctccaattaa aataccagta aattcancag gaacagacaa gttaatgaca      180
ggtgtcatta nccctganag gcggtgccgc tcagtggaat tggatcttaa ccaagcacat      240
atggaggaga ctccaaaaag aaagggagcc aaagtgtttg ggagccttga aaggggttg      300
gataaggtta tcactgtgct caccaggagc aaaaggaagg gttctgccag agacgggccc      360
agaagactna agcttcacta taatgtgact acaactagat tagtgaatcc agatcaactg      420
ttgaatgaaa taatgtctat tcttccaaag aagcatgttg actttgtaca aaagggttat      480
acactgaagt gtnaaacaca gtcagatttt gggaaagtga caatgcaatt tgaattanaa      540
gtgtncccac ttcaaaaacc cgatgtggtg ggtatcanga ngcaacggct taagggcgat      600
gcctgggttt acaaaagatt agtggaagac atcctatcta gctgcaaggt ataattgatg      660
gattcttcca tnctgccnga tgaatgtggg tgtgatacan cctacataaa aactgttatg      720
atcgcttttg a                                                         731


<210> 117
<211> 821
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(821)
<223> n = A,T,C or G

<400> 117
tttnanttnt accnntntcg antccgtgct gtcggaaagt ggtactacca gatagaaant      60
ctgaaatngg aaattggagg ccaaagcctt aatctggact gcagagagta taacgcanac      120
aaggccatcg tggacagtgg cnccacgctg ctgcgcctgc cccanaaggt gtttgatgcg      180
gtggtggaag ctgnggcccg cgcatctntg attccagaat ctctgatgg nttctggact      240
gggtcccagc tggcgtgctg gacgaattcn gaaacacctt ggncttactt ncctaaaatc      300
tccatctacc tganagatga naactccagc aggtcattcc gtatcacaat cctgcctcag      360
ctttacattc acccatgatg ggggccggcc tgaattatga atgttaccga ttcggcattt      420
ncccatccac aaatgcgctg gngatcggtg ccacggngat ggagggcttc tacgtcatct      480
tcgacagacc cataagaagg tgggctttna acgaacccct gtgcaaaaat tgcaagtgct      540
gnantgnntg aaatttccgg gcctttctca acagaagatg taaccagcaa ctgtgtcccc      600
ctcaatnttt tganccgacc caatttnggg ggatngggn cctatgcccc tcatgaaccg      660
tttgttggag nccatccctc ctttgtcntt aaatcggccc ttgcttgctt gntggccgtt      720
tcccggtggt taagcggtaa agnccccgtg gaaccttgag gnccgtccaa tggatgaaat      780
tcctctctng acaaaaaat ttncttggga aattgaatta c                         821


<210> 118
<211> 898
```

33

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(898)
<223> n = A,T,C or G

<400> 118
```
gtcnncttga aacccttnaac acttccgttg ctgtcggtcc taatgtgtca gcagcaaatc     60
cccgaggtgt cttcatgatg tgcatcccac cccccaatgt gacaggctcc ctgcacctgg    120
gccatgcact naccaacncc atccaggact ccctgactcg atggcaccgc atgcgtgggg    180
agaccaccct gtggaaccct ggctgtgacc atgcaggtat tgccacccag gtggtggtgg    240
agaagaagct atggcgtgag canggactga gccggcacca gctgggccgc gaggcctttc    300
tacaggaagt ctggaagtgg aaggaggaga aaggtgaccg gatttaccac cagttgaaga    360
agctttggca ngctccttgg actggggatc nagcctgttt caccatggac cctaaanctc    420
tcancaggct gttgacanaa gcctttgtcc ggcttcacga ggaaaggcaa tcatctantc    480
gcaatacccg ccttgttaac tggttctgca ccctcaantt ccggncatnt tttgacattt    540
gaaggtggga taanaaagga ancttganaa gggtccgcaa cccttgntnt tncgttgcct    600
tggnctacca anggnagaaa ggnngggaag ttctgggggtt ccttnnntgt tccttttgcc    660
cttattaaag gttcccaaan gtntntnnga atnnccctaa caaatggaan gttngttgng    720
ttgggccaaa canacttcgg gtntcggaag naaaaattnn ttgggaagaa nnntgggctt    780
nntacctntn nncctctnta aannaatact ngtaatccca accatccttn caanngggaa    840
angaantngg atnncaacca attcctggtt tcngaaanct ttcccattng ttttggat     898
```

<210> 119
<211> 244
<212> DNA
<213> Homo sapiens

<400> 119
```
gccctgcaca aggtggggcca gatcgtgttt gagttcgtgg gcgagcctga gctcatggac     60
gtgcatgtct tctgcacaga cagcatccag gggacccccg tggagagcga cgaaatgcgc    120
ccatgctggt tccagctgga tcagatcccc ttcaaggaca tgtggcccga cgacagctac    180
tggtttccac tcctgcttca gaagaagaaa ttccacgggt acttcaagtt ccagggtcag    240
gaca                                                                   244
```

<210> 120
<211> 247
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(247)
<223> n = A,T,C or G

<400> 120
```
atacatgcaa atgccccttg ttcatctgtg tcttctgcaa actagtctca tgaagaattc     60
tggcgtgcag ccagggtagc tgaagtttgg gtctgggact ggagattggc cattaggcct    120
cctgagattc cagctccctt ccaccaagcc cagtcttgct acgtggcaca gggcaaanct    180
gacttccttt ggggctcagt ttccctncct tnatgaaatg aaaagatact acttttctt    240
gttggnt                                                                247
```

<210> 121
<211> 303
<212> DNA
<213> Homo sapiens

<400> 121

34

```
gtttcatcca agtgcctgtc tatactggtt cagctgtatg gaggggaaaa cccggacagc      60
ctctctcctg aaaatgtgga aattttttgct catttactga catccaagga ggacccaaag     120
gagcagaagc ttctgttaag gattctcaga agaatgatca cctccaatga gaagcacttg     180
gagagcctca agaatgcagg cagcctcctg cgggctctgg agcggctggc ccctgggagt     240
ggttcatttg ccgacagtgc ggtggctccc ttggccctgg aaatcctcca agccgttggg     300
cac                                                                    303

<210> 122
<211> 297
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(297)
<223> n = A,T,C or G

<400> 122
gcaggtggtg gaaaagcaga accttagcaa agaggagctg atagcggagt gcaggtgacc      60
gctgatgtca tcaacgcagc tgagaaactc caggtggtgg gcagggctgg cacaggtgtg     120
gacaatgtgg atctggaggc cgcaacaagg aagggcatct tggttatgaa cacccccaat     180
gggaacagcc tcagtgccgc agaactcact tgtggaatga tcatgtgcct ggccaggcag     240
attccccagg cgacggttcg ntgaaggacg gcaaatggga gcggaagaag ttcatgg        297

<210> 123
<211> 750
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(750)
<223> n = A,T,C or G

<400> 123
tcgntcgatt cggccgagga tggcacctca ggctgagggc cccaatgtat gtgtggctgt      60
gggtgtgggt gggagtgtgt ctgctgagta aggaacacga ttttcaagat tctaaagctc     120
aattcaagtg acacattaat gataaactca gatctgatca agagtccgga tttctaacag     180
tccttgcttt gggggggtgtg ctgacaactt agctcaggtg ccttacatct tttctaatca    240
cagtgttgca tatgagcctg ccctcactcc ctctgcagaa tcccttttgca cctgagaccc    300
tactgaagtg gctggtagaa aaaggggcct gagtggagga ttatcagtat cacgatttgc     360
aggattccct tctgggcttc attctggaaa cttttgttag ggctgctttt cttaagtgcc     420
cacatttgat ggagggtgga aataatttga atgtatttga tttataagtt tttttttttt     480
gggttaaaag atggttgtag catttaaaat ggaaaatttt ctccttggtt tgctagtatc     540
ttgggtgtat tctctgtaag tgtagctcaa ataggtcatc atgaaagggt aaaaaagcga     600
ngtggccatg ttatgctggt ggttaaagcc anggcctctc caaccactgt gccactgact     660
tgctgtgtga ccctggcaag tcacttaact ataaggngcc ccaatttnct tctgttnaaa     720
tgggggataa taatacctga cctacctcaa                                      750

<210> 124
<211> 756
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(756)
<223> n = A,T,C or G

<400> 124
```

```
ttttttaaccc cattcgantc gcacgaggat ggcacctcag gctgagggcc ccaatgtatg      60
tgtggctgtg ggtgtgggtg ggagtgtgtc tgctgagtaa ggaacacgat tttcaagatt     120
ctaaagctca attcaagtga cacattaatg ataaactcag atctgatcaa gagtccggat     180
ttctaacagt ccttgctttg gggggtgtgc tgacaactta gctcaggtgc cttacatctt     240
ttctaatcac agtgttgcat atgagcctgc cctcactccc tctgcagaat ccctttgcac     300
ctgagaccct actgaagtgg ctggtagaaa aaggggcctg agtggaggat tatcagtatc     360
acgatttgca ggattccctt ctgggcttca ttctggaaac ttttgttagg gctgcttttc     420
ttaagtgccc acatttgatg gagggtggaa ataatttgaa tgtatttgat ttataagttt     480
tttttttttg ggttaaaaga tggttgtagc atttaaaatg gaaaattttc tccttggttt     540
gctagtatct tgggtgtatt ctctgtaagt gtagctcaaa taggtcatca tgaaagggta     600
aaaaagcgag gtggccatgt tatgctggtg gttaaagcca gggcctcttc naccactgtg     660
ccactgactt gctgtgtgac cctgggcaag tcacttaact ataagggccc caattttcct     720
tctgttnaaa aggggataat aatactgcct acctcg                               756
```

<210> 125
<211> 793
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(793)
<223> n = A,T,C or G

<400> 125
```
gnnnnntttn nnnttttgaa cccgnttgan tccgttgctg tcgacctggt ccagcagcag      60
cccccctcgc agccgcagcc gcagccgcag ctccagcccc aaccccagcc tcagcctcag     120
ccgcaacccc agccccaatc acaaccccag cctcagcccc aacccaagcc tcagccccag     180
cagctccacc cgtatccgca tccacatcca catccacact ctcatcctca ctcgcaccca     240
caccctcacc cgcacccgca tccgcaccaa ataccgcacc cacacccaca gccgcactcg     300
cagccgcacg ggcaccggct tctccgcagc acctccaact ctgcctaaaa ggggcagctc     360
ccgggcaaga caaggttttg aggacttgag gaagtgggac gagcacattt ctattgtctt     420
cacttggatc aaaagcaaaa cagtctctcc gccccgcacc agatcaagta gtttggacat     480
caccctactg aaaacttgcg attcttctta gttttctgca tactttttcat cacgatgcag     540
gaaacgattt cgagtcaaga agacttttat ttatgaacct ttgaaaggat cgtcttgtat     600
ggtgaatttt ctaggagcga tgatgtactg naattttatt ttaatgtatt ttgatttatg     660
attatttatt agttttttttt taaatgcttg gttctaagaa catttttgga atgtagacca     720
tttttttccaa aaaanggaaa ctttttatttt tcaaaaaaac ctnaatcccg ggaggtaaat     780
ttnccttaat ctt                                                        793
```

<210> 126
<211> 769
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(769)
<223> n = A,T,C or G

<400> 126
```
ttgaaacccg ntcgattccg tgctgtcgac ctggtccagc agcagccccc ctcgcagccg      60
cagccgcagc cgcagctnca gccccaaccc cagcctcagc ctcagccgca accccagccc     120
caatcacaac cccagcctca gccccaaccc aagcctcagc cccagcagct ccacccgtat     180
ccgcatccac atccacatcc acactctcat cctcactcgc acccacaccc tcacccgcac     240
ccgcatccgc accaaatacc gcacccacac ccacagccgc actcgcagcc gcacgggcac     300
cggcttctcc gcagcacctc caactctgcc taaaaggggc agctcccggg caagacaagg     360
ttttgaggac ttgaggaagt gggacgagca catttctatt gtcttcactt ggatcaaaag     420
caaaacagtc tctccgcccc gcaccagatc aagtagtttg gacatcaccc tactgaaaac     480
ttgcgattct tcttagtttt ctgcatactt ttcatcacga tgcaggaaac gatttcgagt     540
```

```
caagaagact tttatttatg aacctttgaa aggatcgtct tgtatggtga attttctagg      600
agcgatgatg tactgtaatt ttattttaat gtattttgat ttatgattat ttattagttt      660
tttttttaaa tgctnggtct aagacatttt ttgaatgtag gaccattttc caaaaaggaa      720
actttttattt tttcaaaaac cttaatccgn aagtaaattc ctnaatctt               769
```

```
<210> 127
<211> 752
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(752)
<223> n = A,T,C or G

<400> 127
cctcgntcgn tcggcacgag gaaatgttca tggtatcaat tttgtcagtc ctgttcgaaa       60
ccaagcatcc tgtggcagct gctactcatt tgcttctatg ggtatgctag aagcgagaat      120
ccgtatacta accaacaatt ctcagacccc aatcctaagc cctcaggagg ttgtgtcttg      180
tagccagtat gctcaaggct gtgaaggcgg cttcccatac cttattgcag gaaagtacgc      240
ccaagatttt gggctggtgg aagaagcttg cttcccctac acaggcactg attctccatg      300
caaaatgaag gaagactgct ttcgttatta ctcctctgag taccactatg taggaggttt      360
ctatggaggc tgcaatgaag ccctgatgaa gcttgagttg gtccatcatg ggcccatggc      420
agttgctttt gaagtatatg atgacttcct ccactacaaa aaggggatct accaccacac      480
tggtctaaga gacccctttca accccctttga gctgactaat catgctgttc tgcttgtggg      540
ctatggcact gactcancct ctgggatgga ttactggatt gttaaaaaca agctggggca      600
cccgctgggg tgagaatggc tactttcnga tncncaaaag aactgatgag tgtgcaattg      660
anagcatanc antggcagcc caccaatttc taaattgtag ggnatgnctt ccaatatttn      720
ataatgatct ggatcanntg naaaaggggga at                                752
```

```
<210> 128
<211> 754
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(754)
<223> n = A,T,C or G

<400> 128
tcgntcgntt cggcacgagg aaatgttcat ggtatcaatt ttgtcagtcc tgttcgaaac       60
caagcatcct gtggcagctg ctactcattt gcttctatgg gtatgctaga agcgagaatc      120
cgtatactaa ccaacaattc tcagacccca atcctaagcc ctcaggaggt tgtgtcttgt      180
agccagtatg ctcaaggctg tgaaggcggc ttcccatacc ttattgcagg aaagtacgcc      240
caagattttg ggctggtgga agaagcttgc ttcccctaca caggcactga ttctccatgc      300
aaaatgaagg aagactgctt tcgttattac tcctctgagt accactatgt aggaggtttc      360
tatggaggct gcaatgaagc cctgatgaag cttgagttgg tccatcatgg gcccatggca      420
gttgcttttg aagtatatga tgacttcctc cactacaaaa aggggatcta ccaccacact      480
ggtctaagag acccctttcaa ccccctttgag ctgactaatc atgctgttct gcttgtgggc      540
tatggcactg actcancctc tgggatggat tactggattg ttaaaaacag ctggggcacc      600
cgctggggtg agaatggcta ctttcngatc ccanaagaac tgatgagtgt gcaattgaaa      660
ncataacaat ggcagncaca cccaattnct aaattgnaag ggnattgcct ccanatttc      720
ataatgatct gcatcantgt aaangggaat tggn                               754
```

```
<210> 129
<211> 780
<212> DNA
<213> Homo sapiens
```

<220>
<221> misc_feature
<222> (1)...(780)
<223> n = A,T,C or G

<400> 129
gnnnnnnnnn nntttntacc tcgttcgatt tccgttgctg tcggaaaacc cccactgatg   60
aacctgaaaa ggctgtggag gatattaatg aacatattac ccgatgctca gttagaagca   120
atgactgaac tccatgacag aacagcagta atcaaggaga atgaaagaga gaagaggccc   180
aagcttgaaa atctgcctga cacagaagac caagaaactg tggacattaa ttcagtcagt   240
gaaggaaaag agaataatat aatgataacc ttagaaacaa atattgaaca taatctaaaa   300
tctgaggaag aaaaggatca ggaaaagcaa cagatgtttg aaaataagct tataaaatct   360
gaagaaatta aagatactat tttgcaaaca gtagatttag tttctcaaga gactggagaa   420
aaagaggcaa atattcaggc agttgatagt gaagttgggc ttacaaagga agacacccaa   480
gagaaattgg gggaagacga caaaactcaa aaagatgtga tcagcaatac aagtgatgtg   540
ataggaacat gtgaggcagc agatgtggct cagaaagtgg atgaagacag tgctgaggat   600
acgcagagta atgatgggaa agaagtggtc gaagtaggcc agaaattaat taataagccc   660
atggtgggtc ctgaggctgg tggtactaag gaagttccta ttaaagaaat agttgaaatg   720
aatgaaatag aagaaggtaa aaataaggac caagccatta acagttcana gaacataatg   780

<210> 130
<211> 773
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(773)
<223> n = A,T,C or G

<400> 130
cnccnttcga attcggcacg agcccggccc ctgcagtccg gatactcacg ccagaaagtg   60
cggctgggat ccggcggcca cctgcacctg cgtatctctc gggccgccct tcccgagggg   120
ctccccgagg cctcccgcct tcaccgggct ctgttccggc tgtccccgac ggcgtcaagg   180
tcgtgggacg tgacacgacc tctgcggcgt cagctcagcc ttgcaagacc ccaggcgccc   240
gcgctgcacc tgcgactgtc gccgccgccg tcgcagtcgg accaactgct ggcagaatct   300
tcgtccgcac ggccccagct ggagttgcac ttgcggccgc aagccgccag ggggcgccgc   360
agagcgcgtg cgcgcaacgg ggaccactgt ccgctcgggc ccgggcgttg ctgccgtctg   420
cacacggtcc gcgcgtcgct ggaagacctg ggctgggccg attgggtgct gtcgccacgg   480
gaggtgcaag tgaccatgtg catcggcgcg tgcccgagcc agttccgggc ggcaaacatg   540
cacgcgcaga tcaagacgag cctgcaccgc tgaagcccga cacggtgcca agcgccctgc   600
tgcgtgcccg ccagctacaa tcccatggtg ctcattcaaa agaccgacac cggggtgtcg   660
ctccaaaacc tatgatgact tgttagccaa aagactgcca cttgcatatg aacaagtcct   720
ggtcccttca cttgtgcacc ttgcgccggg ggangcgaac ctcagttgtc ctt   773

<210> 131
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 131
gccagacaag cctgactctg aggagcaagc caagatagca aagcttggac ttangctggg   60
tttgctcacc tctgacgctg actgcgaaat tgagaagtgg gaagatcagg agaatgagat   120
tgttcaatat ggacggaaca tgtccagtat ggcctattct ctgtatttat ttactagagg   180
agaggggcca ctgaaaactt cccaggattt aattcatcaa ctagaggttt ttgctgcaga   240

```
gggtttaaag cttacttcca gtgttcaagc tttttcaaaa cagctgaaag acgatgacaa        300


<210> 132
<211> 263
<212> DNA
<213> Homo sapiens


<400> 132
cccaccatca cggaggccat ggtagcacgc agccggagaa gccatccctg cctcagaagc        60
agagcagcct gaggagcagg aagcttcctg acatgggctg cagtcttcct gagcacaggg       120
cacaccaaga agcaagccat aggcagttct gtgagtcaaa gaatgggccc ccttatcccc       180
agggagctgg ccagttagat tatgggtcca aagggattcc agacacttct gagccagtca       240
gctaccacaa ctttggagta aaa                                              263


<210> 133
<211> 300
<212> DNA
<213> Homo sapiens


<400> 133
actccctgcc tcagcaccag cgaggagtct ttggaggggg cggcatgggg acgtatgtgc        60
cccctggctt tccccatcca cagagcagga cctatgctac agcgttgggt caaggggcct       120
tcctgcccgc agagttgtcc ttgcagcatc ctgaaacaca gatccatgca gaatgagccc       180
tgcgagcaat agagttgaag cagcctctgc tggacagtgg actgttctat ttttttcaa        240
taaccaaaaa gattaaacaa aaatactat aaaacccctg accacattta aaaatgata         300


<210> 134
<211> 300
<212> DNA
<213> Homo sapiens


<400> 134
aagacaagat ccatgatggc tctcttagtc caacttcttt cactttgtta taaactgctg        60
aagaagatgg aaaataacgg atgggtctca gttacaaata aggacactat ggatagtaaa       120
acttgagaag cttttggggt cagatctctg gaacatcatg tgatgaagct gacatttta        180
aaaatcaaat gatcctttat cttttcagaa attcatcaat tttataaaga aaacaatatt       240
gaaattttgc tctattttct gatcatgaaa ctgattgtaa agcttttga caactaataa        300


<210> 135
<211> 300
<212> DNA
<213> Homo sapiens


<400> 135
ctgacttcca caatcctggc tatcccaagt acctgggcac cccccacctg gaactgtact        60
tgagtgactc acttagaaac ttgaacaaag agcggcaatt ccacttcgct ggtatcaggt       120
cccggctcaa ccacatgctg gctatgctgt caaggagaac actctttact gaaaaccacc       180
ttggccttca ttctggcaat ttcagcagag ttaatttgct tgctgttaga gatgtagcac       240
tttatccttc ctatcagtaa ctgctccgtg ttcagactcc tggtttcttc caggcttaca       300


<210> 136
<211> 300
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G


                                    39
```

<400> 136
```
gactccctat acaagctctt gggattnctg caggatncna tcgattcgtc actactcagc      60
ttttggctct gtgggcgagn ggcttcgggc catcaaaatg ggaagatacg aagaaagctt     120
cgcagccgct ggctttggct ccttcgagct ggtcagccag atctctgctg aggacctgct  .  180
ccgaatcgga gtcactctgg cgggacacca gaagaaaatc ttggccagtg tccagcacat     240
gaagtcccag gccaagccgg gaaccccggg tgggacagga ggaccggccc cgcagtactg     300
```

<210> 137
<211> 262
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(262)
<223> n = A,T,C or G

<400> 137
```
ggcgagagag ctggctgag gatcgtgacc agcacctata aggatgggaa gggcgccaga      60
tacaaccttg ccatcgagga gcactgtaca tttggggacc ccatcgttta aggccatgtc     120
actagaagcg cagtttaaga aaaggcatgg tgacccatga ccagagggga tcctatggtt     180
atgtgtgcca ggctggctgg caggaactgg ggtggctatc nntattgtat ggngangant     240
gtgtnntctn nnnnnnanng tt                                              262
```

<210> 138
<211> 300
<212> DNA
<213> Homo sapiens

<400> 138
```
aattccgttg ctgtcgcacg aggccaccag ggtgactgcg ggattccgat ctgcgccgga      60
gctgcgatgc tagagcactc ttgccacccc caccccacgg acgtgttgca gtgatatcag     120
aattttgcgt gcggtttacc cgtgtttaac ctctttgcgt ctcgcttctg aatcgtatcc     180
acttgagcat cactagactg atctatttta acactggtgg ggggcagcga ggatggacag     240
attcctggtg aaaggggctc aagggggcct tttgaggaag caggaggagc aagagccaac     300
```

<210> 139
<211> 300
<212> DNA
<213> Homo sapiens

<400> 139
```
ggtcaggatt cagctgaaga gcaagtggga tgagtccatc ttcacgaaag gctgcatcca      60
ggcgctggaa agctggctcc cgcggaacat ttacattgtg gctggcgtct tcatcgccat     120
ctcgctgttg cagatatttg gcatcttcct ggcaaggacg ctgatctcag acatcgaggc     180
agtgaaggcc ggccatcact tctgaggagc agagttgagg gagccgagct gagccacgct     240
gggaggccag agcctttctc tgccatcagc cctacgtcca gagggagagg agccgacacc     300
```

<210> 140
<211> 358
<212> DNA
<213> Homo sapiens

<400> 140
```
gagaattttt gggaagttgg ttttccttcc actcagactt gtatggaaag aggttatatt      60
aaggaagatc ttgatccttg tcctcgtcca aaaagacgtc agccttacaa cgcaatattt     120
tctccaaaag gcaaggagca gaagacatag acgttgaaac agaaacagaa ggatgaagga     180
cagttttttc cttcttagtt atttatagtt aaagttggta ctaaacattg atttttttga     240
tcttctgtaa atggatttat aaatcagttt ctattgaaa atgtttgtga tattttgctt     300
ttgcaccttt aaaacaataa ggcgctttca ttttgcactc taacttaaga gtttttac       358
```

40

```
<210> 141
<211> 365
<212> DNA
<213> Homo sapiens

<400> 141
ggggtttcac catgttggcc aggctggtct caaactcctg acctcaggtg atccacccac        60
ctctgtctcc caaagtgctg ggattacagg agtgtgccac tgcgcctgac cagctttata       120
aagtttatag ggacagtgtc accactttac agaagaggga ctgaggctct gaggaggaag       180
ttccttgcca gggtccgagt gtcgccaccc tgagaactcc aacacccacc tccctactct       240
gctcatggcg tctcccccac ctttccacag ccagaagttg ccaggtgaat acttccggta       300
caagggcgtc cccttcccgt cggcctgtac tcgctcgaga gcatcaactt ggcggagaac       360
accca                                                                   365

<210> 142
<211> 405
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(405)
<223> n = A,T,C or G

<400> 142
gccacacgca gccagggctt cacacccttc aggctgcacc cgggcaggcc tcagaacggt        60
gagggggccag ggcaaagggt gtgtctcgtc ctgcccgcac tgcctctccc aggaactgga      120
aaagccctgt ccggtgaggg ggcagaagga ctcagcgccc ctggaccccc aaatgctgca       180
tgaacacatt ttcaggggag cctgtgcccc caggcggggg tcgggcagcc ccagcccctc       240
tccttttcct ggactctggc cgtgcgcggc agcccaggtg tttgctcagt tgctgaccca       300
aaagtgcttc atttttcgtg cccgccccgc gccccgggca ggccaagtca tgtgttaagt       360
tgcgcttctt tgctgtgatg tgggtggggn agaagaagta aaaca                       405

<210> 143
<211> 377
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(377)
<223> n = A,T,C or G

<400> 143
cccgcgcccc gggcaggcca gtcatgtgtt aagttgcgct tctttgctgt gatgtgggtg        60
ggggaggaag agtaaacaca gtgctggctc ggctgccctg agggtgctca atcaagcaca       120
ggtttcaagt ctgggttctg gtgtccactc acccaccccca cccccaaaa tcagacaaat       180
gctactttgt ctaacctgct gtggcctctg agacatgttc tatttttaac cccttcttgg       240
aattggctct cttcttcaaa ggaccaggtc ctgttcctct ttctccccga ctccacccca       300
gctccctgtg aagagagagt taatatattt gntttatttta tttgcttttt gcgttgggat       360
gggttcgtgt ccagtcc                                                       377

<210> 144
<211> 391
<212> DNA
<213> Homo sapiens

<400> 144
ccactgccgt ctccgccgcc actgggcccc cagagcccca gccccagagc ctaggaacct        60
```

41

```
ggggcccgct cctcccccct ccaggccatg aggattctgc agttaatcct gcttgctctg      120
gcaacagggc ttgtagggggg agagaccagg atcatcaagg ggttcgagtg caagcctcac      180
tcccagccct ggcaggcagc cctgttcgag aagacgcggc tactctgtgg ggcgacgctc      240
atcgccccca gatggctcct gacagcagcc cactggctca attcccctac atagttcacc      300
tggggcagca caacctccag aaggaggagg gctgtgagca gacccggaca gccactgagt      360
ccttccccac cccggcttca acaacagcct c                                    391
```

```
<210> 145
<211> 388
<212> DNA
<213> Homo sapiens
```

```
<400> 145
ggcacgagag atggtgtacc tgctcgagtg cctgcagaag acaccccgc ctgtactcat       60
ctttgcagag aagaaggcag acgtggacgc catccacgag tacctgctgc tcaagggggt      120
tgaggccgta gccatccatg ggggcaaaga ccaggaggaa cggactaagg ccatcgaggc      180
attccgggag ggcaagaagg atgtcctagt agccacagac gttgcctcca agggcctgga      240
cttccctgcc atccagcacg tcatcaatta tgacatgcca gaggagattg agaactatgt      300
acaccggatt ggccgcaccg ggcgctcggg aaacacaggc atcgccacta ccttcatcaa      360
caaagcgtgt gatgagtcag tgctgatg                                        388
```

```
<210> 146
<211> 366
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(366)
<223> n = A,T,C or G
```

```
<400> 146
tacggctgcg agaagacgac agaagggtgg ttatctctgg gtaacgaggg ttaaaagcta      60
tgttcatttt cctcttctat ctgcattttt taaattttct ataaagatca tgaattttgt      120
catttcaaaa gttaacaaag gctgggcgcg ggggctcacg cctgtaatcc cagcactttg      180
ggaggccgag gcggccggat cacaaggtca ggagatcgag accatcttgt ctaacacggt      240
gaaaccccgt ttctactaaa aatacacaaa attagccggc cgccgttgcg atctcttgta      300
atttccaaaa ctcgggatgc ttaagcttta taattcgggg cacttgtttg tccgcccttc      360
aatttn                                                               366
```

```
<210> 147
<211> 354
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(354)
<223> n = A,T,C or G
```

```
<400> 147
tacggctgcg agaagacgac agaaggggggc tttccactat ggcttccagc actgtcccgg     60
tgagcgctgc tggctcggct aatgaaactc ccgaaatacc ggacaacgtg ggagattggc      120
ttcggggcgt ctaccgcttt gccactgata ggaatgactt ccggaggaac ttgatactaa      180
atttgggact ctttgctgcg ggagtttggc tggccaggaa cttgagtgac attgacctca      240
tggcacctca gccagggggtg tagccaagta gacaaatgga atcctgtgct gaacccgaat      300
cttccaaaaa acagcctaca atctgtggcc accacaagat gtgccctgat ggcn            354
```

```
<210> 148
<211> 351
```

42

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(351)
<223> n = A,T,C or G

<400> 148
tacggctgcg agaagacgac agaagggagt tgcagctgat atgaatgaat gctgtctgtg   60
tggaacaagc gtcgcaatga ggactctcta caggacccga tatggcatcc ctggatctat   120
ttgtgatgac tatatggcaa ctctttgctg tcctcattgt actctttgcc aaatcaagag   180
agatatcaac agaaggagag ccatgcgtac tttctaaaaa ctgatggtga aaagctctta   240
ccgaagcaac aaaattcagc agacacctct tcagcttgag ttcttcacca tctttttgcaa   300
ctgaaatatg atggatatgc ttaagtacaa ctgatggcat gaaaaaaatc n   351

<210> 149
<211> 414
<212> DNA
<213> Homo sapiens

<400> 149
tacggctgcg agaagacgac agaaggggag agtcactcct gccttcacca tgaagtccag   60
cggcctcttc cccttcctgg agctgcttgc cctgggaact ctggcacctt gggctgtgga   120
aggctctgga aagtccttca aagctggagt ctgtcctcct aagaaatctg cccagtgcct   180
tagatacaag aaacctgagt gccagagtga ctggcagtgt ccagggaaga agagatgttg   240
tcctgacact tgtggcatca aatgcctgga tcctgttgac accccaaacc caacaaggag   300
gaagcctggg aagtgcccag tgacttatgg ccaatgtttg atgcttaacc cccccaattt   360
ctgtgagatg gatggccagt gcaagcgtga cttgaagtgt tgcatgggca tgtg   414

<210> 150
<211> 380
<212> DNA
<213> Homo sapiens

<400> 150
tacggttgcg agattacgac agaaggggg aggttggcga ggctttgctg aaagctagca   60
aaccgagcga tcatgtcgca caaacaaatt tactattcgg acaaatacga cgacgaggag   120
tttgagtatc gacatgtcat gctgcccaag gacatagcca agctggtccc taaaaacccat   180
ctgatgtctg aatctgaatg gaggaatctt ggcgttcagc agagtcaggg atgggtccat   240
tatatgatcc atgaaccaga acctcacatc ttgctgttcc ggcgcccact acccaagaaa   300
ccaaagaaat gaagctggca agctactttt cagcctcaag ctttacacag ctgtccttac   360
ttcctaacat ctttctgata   380

<210> 151
<211> 396
<212> DNA
<213> Homo sapiens

<400> 151
tacggctgcg agaagacgac agaaggggag atgaatgcgg ctgttaagac ctgcaataat   60
ccagaatggc tactctgatc tatgttgata aggaaaatgg agaaccaggc acccgtgtgg   120
ttgctaagga tgggctgaag ctggggtctg gaccttcaat caaagcctta gatgggagat   180
ctcaagtttc aacaccacgt tttggcaaaa cgttcgatgc cccaccagcc ttacctaaag   240
ctactagaaa ggctttggga actgtcaaca gagctacaga aaagtctgta aagaccaagg   300
gacccctcaa acaaaaacag ccaagctttt ctgccaaaaa gatgactgag aagactgtta   360
aagcaaaaag ctctgttcct gcctcagatg atgcct   396

<210> 152
<211> 336

43

<212> DNA
<213> Homo sapiens

<400> 152
tacggctgcg agaagacgac agaagggtac ggctgcgaga agacgacaga agggtacggc   60
tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggta cggctgcgag   120
aagacgacag aagggctgta atccctgcac tttgggaggc tgaggcaggc ggatcacctg   180
aagccaggag ttcaaaatca gcctgaccaa catggagaaa ccccatctct actaaaaata   240
caaaattagc cgggcatggt ggtggcgcat gcctgtaatc ccagctactc gggaagctga   300
ggcaggagaa tcacttgaac ctgggatgtg gaggct   336

<210> 153
<211> 340
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(340)
<223> n = A,T,C or G

<400> 153
tacggttgcg agaagacgac agaagggtac ggctgcgaga agacgacaga agggtacggc   60
tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggta cggctgcgag   120
aagacgacag aagggctgta atccctgcac tttgggaggc tgaggcaggc ggatcacctg   180
aagccaggag ttcaaaatca gcctgaccaa catggagaaa ccccatctct actaaaaata   240
caaaattagc cgggcatggt ggtggcgcat gcctgtaatc ccagctactc gggaagctga   300
ggcaggagaa tcacttgaac ctgggatgtg gaggttgcgn   340

<210> 154
<211> 339
<212> DNA
<213> Homo sapiens

<400> 154
tacggctgcg agaagacgac agaagggaac aatgcatgat gctgttttgc atattttgat   60
gaagaaagat tacagtactt caaagtttaa tcccagtcag gaaaaagatg gaaaaattga   120
ttttaccata aatacaaatg gaggattacg taatcgggta tatgaggtgc cagttgaaac   180
aaaattctaa tcaacatata attcagaagg atcttcatct gactatgaca taaaaacaac   240
tttataccca gaaagttatt gataagttca tacattgtac gaagagtatt tttgacagaa   300
tatgtttcaa actttggaac aagatgggtc tagcatggc   339

<210> 155
<211> 403
<212> DNA
<213> Homo sapiens

<400> 155
tacggctgcg agaagacgac agaaggggag ttgcagtcgg gttctccgag ttcctgtctc   60
tctgccaacg ccgcccggat ggcttcccaa aaccgcgacc cagccgccac tagcgtcgcc   120
gccgccgta aaggagctga gccgagcggg ggcgccgccc ggggtccggt gggcaaaagg   180
ctacagcagg agctgatgac cctcatgatg tctggcgata aagggatttc tgccttccct   240
gaatcagaca accttttcaa atgggtaggg accatccatg gagcagctgg aacagtatat   300
gaagacctga ggtataagct ctcgctagag ttccccagtg gctacccttation caatgcgccc   360
acagtgaagt tcctcacgcc ctgctatcac cccaacgtgg acc   403

<210> 156
<211> 396
<212> DNA
<213> Homo sapiens

44

<400> 156
tacggctgcg agaagacgac agaaggggat tgagtaatgg gatttgaatc aatgtattaa   60
tatctccata gctgggaaac gtgggttcaa tttgccattg gtttctgaaa gtattcacat   120
catttgggat accagatagc tcaatactct ctgagtacat tgtgcccttg atttttatct   180
ccaagtggca gttttttaaaa ttggccttt acctggatat aaattaattg tgcctgccac   240
caccatccaa cagacctggt gctctaatgc caagttatac acgggacagt tgctggcatg   300
tcttcattgg ctatataaaa tgtggccaag aagataggct ctcagtaaga agtctgatgg   360
tgagcagtaa ctgtccctgc tttctggtat aaagct   396

<210> 157
<211> 362
<212> DNA
<213> Homo sapiens

<400> 157
tacggctgcg agaagacgac agaagggata tcaatgtttg cttgttccca cctctaaccc   60
aaggaaaaaa gagaaaacat actatgcaaa ggaagtttaa acttaagttt tccttaaggg   120
tcagcccaac aatgactttc agtcaaatgg attaaactgg aaaatgtttt tgtttctgtt   180
gtaaacagat catcctaggc gaaagttttt tttggtgggt tgcttttaaa ttagtttatt   240
tctaaatctt agtcttccac atttctagag gccacctgac acaagtccct gtatctgaag   300
tctagcatct caaggctgat ctggaagagc gctagaatgc tccctagcgg ataacttagt   360
ct   362

<210> 158
<211> 379
<212> DNA
<213> Homo sapiens

<400> 158
tacggctgcg agaagacgac agaagggagc catatgaaga caccctagct ggacgatcag   60
tccttgtcaa aagtctgacc cctcaaactc tacagcctca atggaccaga ccctacccgg   120
tcatttatag cacaccaact gccgtccatc tgcaggaccc tctccattgg gttcaccatt   180
ccagaataaa gccatgccca tcagacagcc agcttgatct ctcctcttcc tcctggaagc   240
cacaagatta ggccgagagc cgatcagaca aacaacctac aacccttaag ctcctggcag   300
cgcccagcca aggccatgct tccatgcaac actccttcca aatggccatc ccagcatgct   360
tccaagcagg cttcatccg   379

<210> 159
<211> 384
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(384)
<223> n = A,T,C or G

<400> 159
tacggctgcg agaagacgac agaaggggag agctctcagc gccgctccca gccacagcct   60
cccgcgcctc gctcagctcc aacatggcaa aaatctccag ccctacagag actgagcggt   120
gcatcgagtc cctgattgct gtcttccaga gtatgctgg aaaggatggt tataactaca   180
ctctctccaa gacagagttc ctaagcttca tgaatacaga actagctgcc ttcacaaaga   240
accagaagga ccctggtgtc cttgaccgca tgatgaagaa actggacacc aacagtgatg   300
gtcagctaga tttctcagaa tttcttaatc tgattgtggc ctagctatgg cttgccatga   360
ctccttcctc aaggctggcc cttn   384

<210> 160
<211> 391
<212> DNA

45

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(391)
<223> n = A,T,C or G

<400> 160
```
tacggttgcg agaagacgac agaacggtac cgctgggaga ggaccacaga agggggcttc      60
cgggtcgtac gcgctanctc tgggcgcaga ggtttctggg agccaagagt ggtaatggcg     120
tctgtatgat cttcggagcc tgctgcatcg gacctcggcc agtcataaaa gatgacaaca     180
gcagccaggc caacctttga acctgccaga ggtggaaggg gaaaaggaga aggtgatttg     240
agccaacttt caaagcagta ttcaagcaga gacctaccct ctcatacaaa gataaaatac     300
agacagacta ctcaggatgc ccctgaagag ggtcgtaacc gtgacttcac gagagagttg     360
gaagaaagag agagagctgc tgcaagagaa n                                    391
```

<210> 161
<211> 389
<212> DNA
<213> Homo sapiens

<400> 161
```
tacggctgcg agaagacgac agaagggcaa gaaaacttac gaacaacccc atctccagac      60
aaaggaagag caacggaaga aacgcgagca agaacgaaag gagaagaaag caaaggtttt     120
gggaatgcga aggggcctca ttttggctga agattaataa ttttttaaca tcttgtaaat     180
attcctgtat tctcaacttt tttccttttg taaatttttt tttttgctg ccatccccac      240
tttagtcacg agatcttttt ctgctaactg ttcatagcct gtgtagggcc catgggttct     300
tcatgggcta tgatctctga aaagacgtta tcaccttaaa gctcaaattc tttgggaggg     360
tttttactta agcccattac caattcagg                                      389
```

<210> 162
<211> 392
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(392)
<223> n = A,T,C or G

<400> 162
```
tacggctgcg agaagacgac agaagggtac ggctgcgaga agacgagaga agggtacggc      60
tgcgagaaga cnacagaagg gtacggctgc gagaagacga cagaagggta cggctgcgag     120
aagacgacag aagggtacgg ctgcgagaag acgacagaag ggaacggatg agcacgatct     180
catgttgctg aagctggcca ggcccgtagt gctggggccc cgcgtccggg ccctgcagct     240
tccctaccgc tgtgctcagc ccggagacca gtgccaggtt gctggctggg caccacggc     300
cgcccggaga gtgaagtaca acaagggcct gacctgctcc agcatcacta tcctgagccc     360
taaagagtgt gaggtcttct accctggcgt gg                                   392
```

<210> 163
<211> 382
<212> DNA
<213> Homo sapiens

<400> 163
```
tacggctgcg agaagacgac agaaggggc tctcgctcgg gctttctggc gccatcttgg      60
ttccgcgttc cctgcacaaa atgcccggcg aagccacaga aaccgtccct gctacagagc     120
aggagttgcc gcagccccag gctgagacaa ggtctggaac agaatctgac agtgatgaat     180
cagtaccaga gcttgaagaa caggattcca cccagcaac cacacaacaa gcccagctgg     240
cggcagcagc tgaaatcgat gaagaaccag tcagtaaagc aaaacagagt cggagtgaaa     300
```

46

agaaggcacg gaaggctatg tccaaactgg gtcttcggca ggttacagga gttactagag   360
tcactatccg gaaatctaag ag   382

<210> 164
<211> 407
<212> DNA
<213> Homo sapiens

<400> 164
tacggctgcg agaagacgac agaagggcaa gctccaggac atgcaagaga tcatctccca   60
ctatgaggag gaactggcgc agctacgcca cgaactggag cggcagaaca atgaatacca   120
agtgctgctg ggcatcaaaa cccacctgga gaaggaaatc accacgtacc gacggctcct   180
ggagggagag agtgaaggga cacgggaaga atcaaagtcg agcatgaaag tgtctgcaac   ·240
tccaaagatc aaggccataa cccaggagac catcaacgga agattagttc tttgtcaagt   300
gaatgatatc caaaagcacg catgagacca atgaaagttt ccgcctgttg taaaatctat   360
tttcccccaa ggaaagtcct tgcacagaca ccagtgagtg agttcta   407

<210> 165
<211> 407
<212> DNA
<213> Homo sapiens

<400> 165
tacgtcttcg ataagacgac agaaggggag acgttcgcac acctgggtgc cagcgcccca   60
gaggtcccgg gacagcccga ggcgccgcgc ccgccgcccc gagctcccca agccttcgag   120
agcggcgcac actcccggtc tccactcgct cttccaacac ccgctcgttt tggcggcagc   180
tcgtgtccca gagaccgagt tgccccagag accgagacgc cgccgctgcg aaggaccaat   240
gagagccccg ctgctaccgc cggcgccggt ggtgctgtcg ctcttgatac tcggctcagg   300
ccattatgct gctggattgg acctcaatga cacctactct gggaagcgtg aaccattttc   360
tggggaccac agggctgatg gatttgaggt tacctccaga agggagg   407

<210> 166
<211> 366
<212> DNA
<213> Homo sapiens

<400> 166
tacggctgcg agaagacgac agaaggggag agcttttgaa aggcggcggg aggcggcgag   60
cgccatggcc agtccgggct gcctgctgtg cgtgctgggc ctgctactct gcggggcggc   120
gagcctcgag ctgtctagac cccacggcga caccgccaag aagcccatca tcggaatatt   180
aatgcaaaaa tgccgtaata aaggcatgaa aaactatgga agatactata ttgctgcgtc   240
ctatgtaaag tacttggagt ctgcaggcgc gagagttgta ccagtaaggc tggatcttac   300
agagaaagac tatgaaatac ttttcaaatc tattaatgga atccttttcc ctggaggaag   360
tgttgg   366

<210> 167
<211> 392
<212> DNA
<213> Homo sapiens

<400> 167
tacggctgcg agaagacgac agaagggggc gcattcttac ctgtcggggt gcggcgagtg   60
tctcacctct ctgcacttcc aaggactctt gtcatctgcc ttaggcggga aatgctgttg   120
ctggattgca accccgaggt ggatggtctg aagcatttgc tggagacagg ggcctcggtc   180
aacgcacccc cggatccctg caagcagtcg cctgtccact tagccgcagg aagcggcctt   240
gcttgctttc ttctctggca gctgcaaacg ggcgctgacc tcaaccagca ggatgtttta   300
ggagaagctc cactacacaa ggcagcaaaa gttggaagcc tggagtgcct aagcctgctt   360
gtagccagtg atgcccaaat tgatttatgt ag   392

<210> 168

<211> 392
<212> DNA
<213> Homo sapiens

<400> 168
tacggctgcg agaagacgac agaagggggaa atgtgctcat agccaaaaca ttttactctc   60
tcctcctaga atgctgccct tgacatttcc cattgctgta tgttatttct tgctctgtta   120
tcttttgccc tcttagaatg tccctctctt gggacttgct tagatgatgg gatatgaata   180
ttattagaca gtaattttgc tttccatcca gtatgctagt tcttattcga gaactatggt   240
cagagcgtat ttggatatga gtatcctttg cttatctttg tagtactgaa aatttgccga   300
agtaactggc tgtgcagaat gtaatagaag cttttcttat tcttttattc ttaagatcga   360
gatctttta cagcattctt tctacatgat cg   392

<210> 169
<211> 400
<212> DNA
<213> Homo sapiens

<400> 169
tacggcttcg ataagacgac agaaggggggc ttttttataat actgtgtaaa tagtgaccat   60
ctcatgggca ttgttttctt ctctgctttg tctgaggttt gagtctgctt tcttttgtct   120
ttaaaacctg atttttaagt tcttctgaac tgtagaaata gctatctgat cacttcagcg   180
taaagcagtg tgtttattaa ccatccacta agctaaaact agagcagttt gatttaaaag   240
tgtcactcct cctccttttc tactttcagt agatatgaga tagagcataa ttatctgttt   300
tatcttagct gtatacataa tttaccatca gatagaactg tatggttcta gtacagaaac   360
tctactaccc tcagcctctt atgtgccaag atttctttag   400

<210> 170
<211> 386
<212> DNA
<213> Homo sapiens

<400> 170
tacggctgcg agaagacgac agaagggtac ggctgcgaga agacgacaga aggggtgctc   60
tgaaggcaca gacttggaag caccagctgg aagaagaact gagacagcag aaagaagcag   120
cttgtttcaa ggctcgtcca aacaccgtca tctctcagga gcccctttgtt cccaagaaag   180
agaagaaatc agttgctgag ggcctttctg gttctctagt tcaggaacct tttcagctgg   240
ctactgagaa gagagccaaa gagcggcagg agctggagaa gagaatggct gaggtagaag   300
cccagaaagc ccagcagttg gaggaggcca gactacagga ggaagagcag aaaaaagagg   360
agctggccag gctacggaga gaactg   386

<210> 171
<211> 372
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(372)
<223> n = A,T,C or G

<400> 171
tacggctgcg agaagacgac agaaggggac agtgcttgtt cggggcgctc cgctggcttc   60
ttggacaatt gcgccatgtg tgctgctcgg ctagcggcgg cggcggccca gtcggtgtat   120
gccttctcgg cgcgcccgct ggccggcggg gagcctgtga gcctgggctc cctgcggggc   180
aaggtactac ttatcgagaa tgtggcgtcc ctctgaggca ccacggtccg ggactacacc   240
cagatgaacg agctgcagcg gcgcctcgga ccccgggggcc tgtggtgctc ggcttcccgt   300
gcaaccagtt tgggcatcag gagaacgcca agaacaaaga gattctgaat tccctcaagt   360
acgtgcggcc cn   372

<210> 172
<211> 380
<212> DNA
<213> Homo sapiens

<400> 172
tacggctgcg agaagacgac agaaagggac agtgcttgtt cggggcgctg cgctggcttc   60
ttggacaatt gcgccatgtg tgctgctcgg ctagcggcgg cggcggccca gtcggtgtat   120
gccttctcgg cgcgcccgct ggccggcggg gagcctgtga gcctgggctc cctgcggggc   180
aaggtactac ttatcgagaa tgtggcgtgc ctctgaggca ccacggtccg ggactacacc   240
cagatgaacg agctgcagcg gcgcctcgga ccccgggggcc tggaggtgct cggcttcccg   300
tgcaaccagt ttgggcatca ggagaacgcc aagaacaaag agattctgaa ttccctcaag   360
tacgtccggc cctgtggggg   380

<210> 173
<211> 382
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(382)
<223> n = A,T,C or G

<400> 173
tacggctgcg agaagacgac agaaagggct ttctctctcc tcccgccgcc caagatgccg   60
aaaggaaaga aggccaaggg aaagaaggtg gctccggccc cagctgtcgt gaagaagcag   120
gaggctaaga aagtggtgaa tcccctgttt gagaaaaggc ctaagaattt tggcattgga   180
caggacatcc agcccaaaag agacctcacc cgctttgtga atggccccg ctatatcagg   240
ttgcagcggc agagagccat cctctataag cggctgaaag tgcctcctgc gattaaccag   300
ttcacccagg ccctggaccg ccaaacagct actcagctgc ttaagctggc ccacaagtac   360
agaccagaga caaagcaaga gn   382

<210> 174
<211> 387
<212> DNA
<213> Homo sapiens

<400> 174
tacggctgcg agaagacgac agaagggggtt ttccctggtg tgattccgtc ctgcgcggtt   60
gttctctgga gcagcgttct tttatctccg tccgccttct ctcctaccta agtgcgtgcc   120
gccacccgat ggaagattcg atggacatgg acatgagccc cctgaggccc cagaactatc   180
ttttcggttg tgaactaaag gccgacaaag attatcactt taaggtggat aatgatgaaa   240
atgagcacca gttatcttta agaacggtca gtttagggc tggtgcaaag gatgagttgc   300
acattgttga agcagaggca atgaattacg aaggcagtcc aattaaagta acactggcaa   360
ctttgaaaat gtctggtcag gccacgg   387

<210> 175
<211> 395
<212> DNA
<213> Homo sapiens

<400> 175
tgtctacggt tgcgagaaga cgacagaagg gaataaaagt ttctttaagg cagataaagt   60
tacaatgctg tggaataaaa aagctactgc tgtgttggta atagctagca cagatgttga   120
caagacagga gcttcctact atggagaaca aactctacac tacattgcaa caaatggaga   180
aagtgctgta gtgcaattac caaaaaatgg ccccatttat gatgtagttt ggaattctag   240
ttctactgag ttttgtgctg tatatggttt tatgcctgcc aaagcgacaa ttttcaactt   300
gaaatgtgat cctgtatttg actttggaac ctggcctcgt aatgcagcct actatagccc   360
tcatggacat atattagcat tagctggatt tggaa   395

<div align="center">49</div>

<210> 176
<211> 404
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(404)
<223> n = A,T,C or G

<400> 176
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tacggctgcg agaagacgac agaaggggac gctcggtacc aggcgcagat catggcaggc        60
agccggctgg aaaccgtagg gagcatcttc tctcggactc gggacctggt tcgggccggg       120
gtgctgaagg agaagcccct gtggtttgac gtatatgacg cctttccccc gctgagggag       180
cccgtcttcc aaaggcctcg agtgcgatat ggcaaagcca aagctcccat ccaagacatc       240
tggtaccacg aggatcggat tatagcgaag ttttattcac tgtatggntc tggcctaaca       300
gcttttgatc tatttatctc caacttcttg ttctacctga ttacggcttt gtggataatt       360
acaccttgct tctgtagcat cttttatgag gcgaccttct tact                        404
```

<210> 177
<211> 389
<212> DNA
<213> Homo sapiens

<400> 177
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tacggttgcg agaagacgac agaagggggc tgttggagcc gctgtggttg ctgtccgcgg        60
agtggaagcg cgtgcttttg tttgtgtccc tggccatggc gctgcagctc tcccggggagc      120
agggaatcac cctgcgcggg agcgccgaaa tcgtggccga gttcttctca ttcggcatca       180
acagcatttt atatcagcgt ggcatatatc catctgaaac ctttactcga gtgcagaaat       240
acggactcac cttgcttgga actactgatc ttgagctcat aaaataccta aataatgtgg       300
cggaacaact gacagattgg ttataccaac cgttcaagaa cacaccccgg agtgggagga       360
ttcccacaca attcagtcga ggtgaagcg                                         389
```

<210> 178
<211> 391
<212> DNA
<213> Homo sapiens

<400> 178
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ttacggttgc gagaagacga cagaaggggat ctcagattca aatctggacg gccaaccgcc       60
atgtgatgta agcctccata cgaaagcact gttgcagata gaagaagagg tggttgctgc       120
tcatgtagat ctataaaatat gtgttgtatg tctttttttgc ttttttttta aaaaaaagaa     180
taactttttt tgcctcttta gattacatag aagcattgta gtcttggtag aaccagaatt       240
tttgttgttt atttataagg aaattgtgag tggggataat tcgcttacct tcccgcccta       300
tctcattttc tccctaactt aactcgtttt atatatttac tctactctgg ttttatcact       360
cccagttttt ctatacactc accaacatgc g                                      391
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<210> 179
<211> 369
<212> DNA
<213> Homo sapiens

<400> 179
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tacggctgcg agaagacgac agaagggggc tgccgctggg accccgtgac atcgtccatg        60
ccgagcacga tgccctctaa aaagggaggg gatggaatta aaccacccc aatcattgga        120
agatttggaa cctcactgaa aattgcgatt gttggattgc ccaatgttgg gaaatctacc       180
ttcttctatg agttaaccag gaggcaggct atagcagaaa acttcccgtt ctgcactatt       240
gatcctaatg agagcacatg acctgcgcca gatgaaaggt ctgactttct ttgtgaatac       300
cacaaaccag caagcaaaat tcctgccttt ctaaaatgag gtggatactg ctgggcttga       360
```

gaaaggagg   369

<210> 180
<211> 369
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(369)
<223> n = A,T,C or G

<400> 180
tacggctgcg agaagacgac agaaggggat gccattgtgt gtaacattgg acactttgac   60
gtggagatcg atgtcaagtg gctcaacgag aacgccgtgg agaaggtgaa catcaagccg   120
caggtggacc ggtatcggtt gaagaatggg cgccgcatca tcctgctggc cgagggtcgg   180
ctggtcaacc tgggttgtgc catgggccac cccagcttcg tgatgagtaa ctccttcacc   240
aaccaggtga tggcgcagat cgagctgtgg acccatccag acaagtaccc cgttggtgtt   300
catttcctgc ccaagaagct ggatgaggca gtggctgaag cccacctggg caagctgaat   360
gtgaagttn   369

<210> 181
<211> 384
<212> DNA
<213> Homo sapiens

<400> 181
tacggctgcg agaagacgac agaagggggc gcttccgcca tctttccagc ctcagtcgga   60
cgggcgcgga gacgcttctg gaaggaacgc cgcgatggct gcgcagggag agccccaggt   120
ccagttcaaa cttgtattgg ttggtgatgg tggtaccgga aaaacgacct tcgtgaaacg   180
tcatttgact ggtgaatttg agaagaagta tgtagccacc ttgggtgttg aggttcatcc   240
cctagtgttc cacaccaaca gaggacctat taagttcaat gtatgggaca cagccggcca   300
ggagaaattc ggtggactga gagatggcta ttatatccaa gcccagtgtg ccatcataat   360
gtttgatgta acatcgagag gtag   384

<210> 182
<211> 359
<212> DNA
<213> Homo sapiens

<400> 182
tacggctgct agaagacgac agaagggctc tctggccgtt ccttacactt tgcttcaggc   60
tccagtgcag gggcgtagtg ggatatggcc aactcgggct gcaaggacgt cacgggtcca   120
gatgaggaga gttttctgta ctttgcctac ggcagcaacc tgctgacaga gaggatccac   180
ctccgaaacc cctcggcggc gttcttctgt gtggcccgcc tgcaggcaag aaggggttaa   240
aagtggaatg tatgttgtaa tagaagttaa agttgcaact caagaaggaa aagaaataac   300
ctgtcgaagt tatctgatga caaattacga aagtgctccc ccatccccac agtataaaa   359

<210> 183
<211> 364
<212> DNA
<213> Homo sapiens

<400> 183
tacggctgcg agaagacgac agaagggtac ggctccgaga atacgacaga aggggctggc   60
gagagtttgt gcggcgacat gaaactgctt acccacaatc tgctgagctc gcatgtgcgg   120
ggggtggggt cccgtggctt ccccctgcgc ctccaggcca ccgaggtccg tatctgccct   180
gtggaattca accccaactt cgtggcgcgt atgataccta aagtggagtg gtcggcgttc   240
ctggaggcgg ccgataactt gcgtctgatc caggtgccga aagggccggt tgagggatat   300
gaggagaatg aggagtttct gaggaccatg caccacctgc tgctggaggt ggaagtgata   360

gagg   364

<210> 184
<211> 411
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(411)
<223> n = A,T,C or G

<400> 184
tacggctgcg agaagacgac agaaggggac attttctcgg ccctgccagc ccccaggagg   60
aaggtgggtc tgaatctagc accatgacgg aactagaggc agccatgggc atgatcatag   120
acgtcttttc ccgatattcg ggcagcgagg gcagcacgca gaccctgacc aaggggggagc   180
tcaaggtgct gatggagaag gagctaccag gcttcctgca gagtggaaaa gacaaggatg   240
ccgtggataa attgctcaag gacctggacg ccaatggaga tgcccaggtg gacttcagtg   300
agttcatcgt gttcgtggct gcaatcacgt ctgcctgtca caagtacttt gagaaggcag   360
gactcanatg atgccctgga gatgtcacag attcctggca gagccatggt c   411

<210> 185
<211> 355
<212> DNA
<213> Homo sapiens

<400> 185
tacggctgcg agaagacgac agaaggggac attttctcgg ccctgccagc ccccaggagg   60
aaggtgggtc tgaatctagc accatgacgg aactagaggc agccatgggc atgatcatag   120
acgtcttttc ccgatattcg ggcagcgagg gcagcacgca aaccctgacc aaggggggagc   180
tcaaggtgct gatggagaag gagctaccag gcttcctgca gagtggaaaa gacaaggatg   240
ccgtggataa attgctcaag gacctggacg ccaatggaga tgcccaggtg gacttcagtg   300
agttcatcgt gttcgtggct gcaatcacgt ctgcctgtca caagtacttt gagaa   355

<210> 186
<211> 413
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(413)
<223> n = A,T,C or G

<400> 186
tacggctgcg agaagacgac agaagggggga gaccagagat ctagcgactg aagcagcatg   60
gccaagccgt gtggggtgcg cctgagcggn gaagcccgca aacaggtgga ggtcttcagg   120
cagaatcttt tccaggaggc tgaggaattc ctctacagat tcttgccaca gaaaatcata   180
tacctgaatc agctcttgca agaggactcc ctcaatgtgg ctgacttgac ttccctccgg   240
gccccactgg acatccccat cccagaccct ccacccaagg atgatgagat ggaaacagat   300
aagcaggaga agaaagaagt ccctaagtgt ggatttctcc ctgggaatga gaaaagtctg   360
tccctgcttg ccctggntaa ggccagaagt ctggactctc aaagagaaat gca   413

<210> 187
<211> 362
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

52

<222> (1)...(362)
<223> n = A,T,C or G

<400> 187
tacggctgcg agaagacgac agaagggggga gaccagagat ctagcgactg aagcagcatg   60
gccaagccgt gtggggtgcg cctgagcggg gaagcccgca aacaggtgga ggtcttcagg   120
cagaatcttt tccaggaggc tgaggaattc ctctacagat tcttgccaca gaaaatcata   180
tacctgaatc agctcttgca agaggactcc ctcaatgtgg ctgacttgac ttccctccgg   240
gccccactgg acatccccat cccagaccct ccacccaagg atgatgagat ggaaacagat   300
aagcaggaga agaaagaagt ccctaagtgt ggatttctcc ctgggaatga gaaagtcctg   360
tn   362

<210> 188
<211> 419
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(419)
<223> n = A,T,C or G

<400> 188
tacggctgcg agaagacgac agaagggggga gaccagagat ctagcgactg aagcagcatg   60
gccaagccgt gtggggtgcg cctgagcggg gaagcccgca aacaggtgga ggtcttcagg   120
cagaatcttt tccaggaggc tgaggaattc ctctacagat tcttgccaca gaaaatcata   180
tacctgaatc agctcttgca agaggactcc ctcaatgtgg ctgacttgac ttccctccgg   240
gccccactgg acatccccat cccagaccct ccacccaagg atgatgagat ggaaacagat   300
aagcaggaga agaaagaagt ccctaagtgt ggatttctcc ctgggaatga gaaagtcctg   360
tccctgcttg ccctggttaa gccagaagtc tggactctca aagagaaatg cattctggn   419

<210> 189
<211> 408
<212> DNA
<213> Homo sapiens

<400> 189
tacggctgcg agaagacgac agaagggggga gaccagagat ctagcgactg aagcagcatg   60
gccaagccgt gtggggtgcg cctgagcggg gaagcccgca aacaggtgga ggtcttcagg   120
cagaatcttt tccaggaggc tgaggaattc ctctacagat tcttgccaca gaaaatcata   180
tacctgaatc agctcttgca agaggactcc ctcaatgtgg ctgacttgac ttccctccgg   240
gccccactgg acatccccat cccagaccct ccacccaagg atgatgagat ggaaacagat   300
aagcaggaga agaaagaagt ccctaagtgt ggatttctcc ctgggaatga gaaagtcctg   360
tccctgcttg ccctgggtaa gccagaagtc tggactctca aagagaaa   408

<210> 190
<211> 412
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(412)
<223> n = A,T,C or G

<400> 190
tacggctgcg agaagacgac agaagggcaa gctaccaatg actttcttca cggaactgga   60
aaaaactact ttaaagttca tatggaacca aaaaagagcc cgcattgcca agacaatcct   120
atgccaaaag aacaaagctg gaggcatcac gctacctgac ttcaaactat actgcaaggc   180
tacagtaacc aaaacagcat gatactggta ccaaaacaga gatatagacc aatggaacag   240

53

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aacagagccc tcagaaataa taccaccgca catctacaac catcttatct ttgacaaagc    300
tgacacatac aagcaatggg gaaaggattc cctattcaat aaatggtgtt gggaaaactg    360
gccagccata tgcagaanac tgaaactgga gcccttcctt acacattaca cg            412


<210> 191
<211> 345
<212> DNA
<213> Homo sapiens


<400> 191
tacggctgcg agaagacgac agaagggcaa gctaccaatg actttcttca cggaactgga     60
aaaaactact ttaaagttca tatggaacca aaaaagagcc cgcattgcca agacaatcct    120
atgccaaaag aacaaagctg gaggcatcac gctacctgac ttcaaactat actgcaaggc    180
tacagtaacc aaaacagcat gatactggta ccaaaacaga gatatagacc aatggaacag    240
aacagagccc tcagaaataa taccaccgca catctaacac cattttattt ttgacaaagc    300
tgacacatac cagccatggg gaaagggatc cctattcaat aaatg                    345


<210> 192
<211> 359
<212> DNA
<213> Homo sapiens


<400> 192
gcctacggct gcgagaagac gacggaaggg accaacaaca gccaagtcaa gtgtcaagaa     60
cacactccta ttcacaactg cccccaaaag aataaaatac agctaagaat acagctaact    120
agggagatga aatatctcta caatgagaat tataaaacac tgctcaaaga aatcagagat    180
tatacaaaca tatgaaaaaa cattccatgc tcatgaatag gcaagaatca aattctttaa    240
aatggccata ctgcccaagg caatatacag attaaatgct attcctatca agctaccaat    300
gacattcttc atagaaccag aaaatactat tttaaaattc atatggaacc aaaaaagag     359


<210> 193
<211> 354
<212> DNA
<213> Homo sapiens


<400> 193
tacggctgcg agaagacgac agaagggcgg ggccaggacc cttgccagag tgactctgga     60
ggcccctgg tctgtgacga gaccctccaa ggcatcctct cgtggggtgt ttacccctgt     120
ggctctgccc agcatccagc tgtctacacc cagatctgca aatacatgtc ctggatcaat    180
aaagtcatac gctccaactg atccagatgc tacgctccag ctgatccaga tgttatgctc    240
ctgctgatcc agatgcccag aggctccatc gtccatcctc ttcctcccca gtcggctgaa    300
ctctcccctt gtctgcactg ttcaaacctc tgccgccctc cacacctcta aaca          354


<210> 194
<211> 340
<212> DNA
<213> Homo sapiens


<400> 194
tacggttgcg agaagacaac agaagggggct cttttccggt tagcgcggcg tgagaagcca    60
tgagcagcaa agtctctcgc gacaccctgt acgaggcggt gcgggaagtc ctgcacggga    120
accagcgcaa gcgccgcaag ttcctggaga ctgtggagtt gcagatcagc ttgaagaact    180
atgatcccca gaaggacaag cgcttcttgg gcaccgtcag gcttaagtcc actccccgcc    240
ctaagttctc tgtgtgtgtc ctgggggacc agcagcactg tgacgaggct aaggccgtgg    300
atatccccca catggacatc gaggcgctga aaaaaactca                          340


<210> 195
<211> 343
<212> DNA
<213> Homo sapiens
```

<400> 195
```
tacggctgcg agaagacgac agaaggggac agacgagatc tcgatcgaag gcgagatggc      60
ggacgtgcta gatcttcacg aggctggggg cgaagatttc gccatggatg aggatgggga     120
cgagagcatt cacaaactga aagaaaaagc gaagaaacgg aagggtcgcg gctttggctc     180
cgaagagggg tcccgagcgc ggatgcgtga ggattatgac agcgtggagc aggatggcga     240
tgaacccgga ccacagcgct ctgttgaagg ctggattctc tttgtaactg gagtccatga     300
ggaagccacc gaagaagaca tacacgacaa attcgcagaa tat                       343
```

<210> 196
<211> 345
<212> DNA
<213> Homo sapiens

<400> 196
```
tacggctgcg agaagacgac agaaggggt tttgtgctgg gagctggtgg cgcggtgcag       60
ggctcttaag aacgaacggc ttgggcgcgg actggtatcc ggggactgtg acttgcaggg     120
tccgccatgg agccagagca gatgctggag ggacaaacgc aggttgcaga aaatcctcac     180
tctgagtacg gtctcacaga caacgttgag agaatagtag aaaatgagaa gattaatgca     240
gaaaagtcat caaagcagaa ggtagatctc cagtctttgc caactcgtgc ctacctggat     300
cagacagttg tgcctatctt attacaggga cttgctgtgc ttgcg                     345
```

<210> 197
<211> 379
<212> DNA
<213> Homo sapiens

<400> 197
```
tacggctgcg agaagacgac agaaggggaa ttcggtatgt aaaaagggt tagtggtatt       60
tcattgctgc taaaaatgac aactccctct gtgtcctgtt tttcttaaag ctgtcagtgt     120
acaagtgggt atttgaatac cagaccttac tgtaaaaaat aaaaaaggtg gtatctagag     180
catgtaaatt ggatataaag ttctgctctt aaagagttga tctaagagta tggctaaaca     240
tctatatatg caatctatta aaagaactta attcggctat tatgtcttga tttgattgca     300
gatttttcct aattataaca aatttttcct cattggcctg tttttaatcc tgtgcctaga     360
aggagtacaa aatgcacac                                                  379
```

<210> 198
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 198
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tacgctgcga gaagacgaca gaagggcaac ttccccatcc tagcaagaca ggccaaaatt       60
caaattcagg aaagacagag aacaccataa agatattcct cgagaatagc aagaccaaga     120
cacataattg tcagattcac caagactgaa acaaagaaaa aaatcttaag ggaagctaga     180
gagaaaggtt gggttaccca caaagggaaa cccatcagac taacagcgat ctctctgcag     240
aaaccctaca agccagaaga gagtgggggc caatagtcaa cattcttaaa gaaaataatt     300
ttcaacccag aattgcatat ccagcaaaac taagcttcat aagcaaagga gaaataaaat     360
cctttacaga caagcaaatg ctgagagatt ttgtcn                               396
```

<210> 199
<211> 386
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(386)
<223> n = A,T,C or G

<400> 199
tacggctgcg agaagacgac agaagggtac ggctgcgaga agacgacaga agggtacggc   60
tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggta cggctgcgag   120
aagacgacag aagggggcgc aatctcggct cactgcaagc tctgcctccc gggttcacgc   180
cattcttctg cctcagcctc ctgagtagtt gggactacag gcgcccgcca ccacgcccag   240
ctaatttttt tgtattttta gtagagacgg ggtttcactg tgttagccag gaactgaccg   300
caaacgaggc cgccagacct acacccgcta ccagaccctg gagctggaga aagaatttca   360
ctacaatcgc tacctgacgc ggcggn   386

<210> 200
<211> 361
<212> DNA
<213> Homo sapiens

<400> 200
gcctacggct gcgagaagac gacagaaggg gcacctctcg ccccgcagga ccatggccaa   60
cctggagcgc accttcatcg ccatcaagcc ggacggcgtg cggcgcggcc tggtgggcga   120
gatcatcaag cgcttcgagc agaagggatt ccgcctcgtg gccatgaagt cctccgggc   180
ctctgaagaa cacctgaagc agcactacat tgacctgaaa gaccgaccat tcttccctgg   240
gctggtgaag tacatgaact cagggccggt tgtggccatg gtctgggagg ggctgaactt   300
ggtgaagaca ggccgagtga tgcttgggga gaccaatcca gcagattcaa agccaggcac   360
g   361

<210> 201
<211> 341
<212> DNA
<213> Homo sapiens

<400> 201
tacggctgcg ataagacgac agaagggaca cggttaaaag agaccataga taataattct   60
gtgagttctc cacttcagtc tcttcagcag agaacatggc tcattcactg gtctctgttt   120
gttttcttca atcaccccaa aggtcgcgat aatattattg acctcttcct ttatcagcca   180
caatatctta atgcaattca gacaatgtgt ccacacattc ttcgctattt gactacagca   240
gtcataacaa acaaggatgt tcgaaaacgt cggcaggttc taaaagatct agttaaaggt   300
attcaacagg agtcttacac atattaagac ccaattacag g   341

<210> 202
<211> 350
<212> DNA
<213> Homo sapiens

<400> 202
tacggctgcg agaagacgac agaagggggc ctttgcaggc ctcaccgccg atgcaaggat   60
agtcatcaac agggcccggg tggagtgcca gagccaccgg ctgactgtgg aggacccggt   120
cactgtggag tacatcaccc gctacatcgc cagtctgaag cagcgttata cgcacagcaa   180
tgggcgcagg cgtttggcat ctctgccctc atcgtgggtt cgactttga tggcactcct   240
aggctctatc agactgaccc ctcgggcaca taccatgcct ggaaggccaa tgccatatgc   300
cgggggtgcca agtcagtgcg tgagttcctg gagaagaact atactgacga   350

<210> 203
<211> 359
<212> DNA
<213> Homo sapiens

<400> 203

56

```
tacggctgcg agaagacgac agaaggggac tcttcgacga gacgacgcct gggctggacg    60
gggatatgac tactgagccc agtcttgctg ctctcgccac attgtatggc acgcgccaac   120
atgaggtccc tagaagcata cctactactc ggacaagcac tttgactgaa cactactagt   180
acacggatgt tatgataccc agagaacttt ccaaacaagt acctaaaact catctgatgt   240
ctgaagagga gtggaggaga cttggtgtcc aacagagtct aggctgggtt cactacatga   300
gtcatgagcc agaaccacac attcttgtct ttagacgagc tcttccaaaa gataacaag    359
```

```
<210> 204
<211> 353
<212> DNA
<213> Homo sapiens
```

```
<400> 204
tacggctgcg agaagacgac agaagggtgc cgagcttcgg gtaactctta cggtggagga    60
ttcccagcca tatgaagaca ccctagctgg acgatcagtc cttgtcaaaa gtctgacccc   120
tcaaactcta cagcctcaat ggaccagacc ctacccggtc atttatagca caccaactgc   180
cgtccatctg caggaccctc tccattgggt tcaccattcc agaataaagc catgcccatc   240
agacagccag cttgatctct cctcttcctc ctggaagcca caagattagg ccgagagccg   300
atcagacaaa caacctacaa cccttaagct cctggcagcg cccagccaag gcc          353
```

```
<210> 205
<211> 356
<212> DNA
<213> Homo sapiens
```

```
<400> 205
tacggctgct agaagacgac agaagggtgc cgagcttcgg gtaactctta cggtggagga    60
ttcccagcca tatgaagaca ccctagctgg acgatcagtc cttgtcaaaa gtctgacccc   120
tcaaactcta cagcctcaat ggaccagacc ctacccggtc atttatagca caccaactgc   180
cgtccatctg caggaccctc tccattgggt tcaccattcc agaataaagc catgcccatc   240
agacagccag cttgatctct cctcttcctc ctggaagcca caagattagg ccgagagccg   300
atcagacaaa caacctacaa cccttaagct cctggcagcg cccagccaag gccatg       356
```

```
<210> 206
<211> 367
<212> DNA
<213> Homo sapiens
```

```
<400> 206
tacggctgcg agaagacgac agaaggggt gtctccaagc aagatggcgg aggagccgca    60
gtctgtgttg cagcttccta cttcaattgc tgctggaggg gaaggactta cggatgtctc   120
cccagaaaca accaccccgg agcccccgtc ttccgctgca gtttccccgg aacagagga   180
acctgctggc gacaccaaga aaaaaattga cattttgcta aaggctgtgg gagacactcc   240
tattatgaaa acaaagaagt gggcagtaga gcgaacacga accatccaag gactcattga   300
cttcatcaaa aagtttctta aacttggggc ctcagaacag ttggttattt atgtgaatca   360
gtccttt                                                              367
```

```
<210> 207
<211> 367
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(367)
<223> n = A,T,C or G
```

```
<400> 207
tacggctgcg agaagacgac agaagggatc cgattgttct tggcccaaac aataccaatc    60
tgcccaaaat atttagtata attgcggaag gagaaatgca cgaggcaatt aaacatgaag   120
```

57

```
atccttgtgc caaacgtctg gccaatgtcg ttcgccaagt acagacttct ggaggactgt      180
ggactgagtg catagcacag ctcagtcctg agcagcaggc cgccattcag gagctcctga      240
actctgcgtg aagggcctta atgtcaccca ccagaaaact aactccaaat aaacgcttac      300
cctttccttt aggnttcttt gttttggttt tgagcaaaag agatcggtag tgttgtgggt      360
aggccat                                                               367


<210> 208
<211> 369
<212> DNA
<213> Homo sapiens

<400> 208
tacggctgct agaagactac agaagggtat cttctggggt ttcaattgct cagaaacaac       60
ttttttcaca acggaaagga aagaacacta gtgttctttc agtaaagtac aaagtgttta      120
ttttacaaaa gagtaggtac tcttgagagc aattcaaatc atgctgacaa ggatactgat      180
agaaaaagtg atttcttctt attataaagt acatttaaag ttcaaggact aaccttattt      240
atttgggaaa ggggaggagg aaggaaatga tatggtaccc agacactggg ctaggctgca      300
actttatctc atttaatact cccagctgtc atgtgagaaa gaaagcaggc taggcatggg      360
aaatcactg                                                             369


<210> 209
<211> 362
<212> DNA
<213> Homo sapiens

<400> 209
tacggctgct agaagacgac agaaggggg acaagaccca tctttatgca aagccagcgt        60
tacagtaatg ttccagcatc tcataatcta tcctggggaa ttcagctgcc tcccagggtg      120
aatacaggta ttcctgatga cagtctgcct ctatcttaca gagcagcttg ttgctatata      180
ccattgaaaa gccttcagag ctgagaggta ctactaacca ataacctgct tggctcaaag      240
ggccagcacc ttctctctaa agcccaagag gagtttgagg aaaactaggt gtctgtgttc      300
actccaggct gaagttacag gtctgagcaa ataaggtgta taaaaaatgg aatctgtctt      360
gg                                                                    362


<210> 210
<211> 364
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(364)
<223> n = A,T,C or G

<400> 210
tacggctgcg agaagacgac agaaggggc gtgcgtctgt gcctctgcgc gggtctcctg        60
gtccttctgc catcatgccg atgttcatcg taaacaccaa cgtgccccgc gcctccgtgc      120
cggacgggtt cctctccgag ctcacccagc agctggcgca ggccaccggc aagccccccc      180
agtacatcgc ggtgcacgtg gtcccggacc agctcatggc cttcggcggc tccagcgagc      240
cgtgcgcgct ctgcagcctg cacagcatcg gcaagatcgg cggcgctcag aaccgctcct      300
acagcaagct gctgtgcggc ctgctggccg agcgcctgcg catcagcccg gacagggtct      360
acan                                                                  364


<210> 211
<211> 350
<212> DNA
<213> Homo sapiens

<400> 211
tacggctgcg agaagacgac agaaggggcc ttttggctct ctgaccagca ccatggcggt       60
```

```
tggcaagaac aagcgcctta cgaaaggcgg caaaaaggga gccaagaaga aagtggttga      120
tccattttct aagaaagatt ggtatgatgt gaaagcacct gctatgttca atataagaaa      180
tattggaaag acgctcgtca ccaggaccca aggaaccaaa attgcatctg atggtctcaa      240
gggtcgtgtg tttgaagtga gtcttgctga tttgcagaat gatgaagttg catttagaaa      300
attcaagctg attactgaag atgttcaggg taaaaactgc ctggctaaat                 350


<210> 212
<211> 365
<212> DNA
<213> Homo sapiens

<400> 212
tacggctgcg agaagactac agaaggggga caactcaatg aaaatttaaa gggaaaaccc       60
tcaggcctga ggtgtgtgcc actcagagac ttcacctaac tagagacagt caaactgcaa      120
accatggtga gaaattgacg acttcacact atggacagct tttcccaaga tgtcaaaaca      180
agactcctca tcatgataag gctcttaccc ccttttaatt tgtccttgct tatgcctgcc      240
tctttcgctt ggcaggatga tgctgtcatt agtatttcac aagaagtagc ttcagagggt      300
aacttaacag agtgtcagat ctatcttgtc aatcccaacg ttttacataa aataagagat      360
ccttg                                                                   365


<210> 213
<211> 357
<212> DNA
<213> Homo sapiens

<400> 213
tacggctgcg agaagacgac agaaggggct ttttttttcga ggtaggagtc gactcctgtg      60
aggtatggtg ctgggtgcag atgcagtgtg gctctggata gcaccttatg gacagttgtg      120
tccccaagga aggatgagaa tagctactga agtcctaaag agcaagccta actcaagcca      180
ttggcacaca ggcattagac agaaagctgg aagttgaaat ggtggagtcc aacttgcctg      240
gaccagctta atggttctgc tcctggtaac gtttttatcc atgatgact tgcttgggta       300
tggagagtcg gcttgactac actgtgtgga gcaagtttta aagaagcaaa ggactca         357


<210> 214
<211> 370
<212> DNA
<213> Homo sapiens

<400> 214
tacggctgcg agaagacgac agaaggggtg acgctcgtca gtggcttcag ttcacacgtg      60
gcgccagcgg aggcaggttg ctgtgtttgt gcttccttct acagccaata tgaaaaggcc      120
taagttaaag aaagcaagta aacgcatgac ctgccataag cggtataaaa tccaaaaaaa      180
ggttcgagaa catcatcgaa aattaagaaa ggaggctaaa aagcagggtc acaagaagcc      240
taggaaagac ccaggagttc caaacagtgc tccctttaag gaggctcttc ttagggaagc      300
tgagctaagg aaacagaggc ttgaagaact aaaacagcag cagaaacttg acaggcagaa      360
ggaactagaa                                                              370


<210> 215
<211> 367
<212> DNA
<213> Homo sapiens

<400> 215
tacggctgcg agaagacgac agaaggggct ttcgcgtctg cggtgcccgg agtgtggtac      60
ttctcctagt tgcagtcagg cttcatacgc tattgtcctg cccgttagag cagccagcgg      120
gtacagaatg gattttggaa gagggagtca ccactggacc tccaaggaag ccacgtgcag      180
acatctacaa ccttcgatct cctgacgagt ttattgttgg ccaaaaccag gctttgattg      240
aaccaggatg aatgcgggtg ttggaagtag aatatatata tacatataaa attgaaactg      300
gcgatggaat atgagaggag ccctctggaa agaataggac agaccctgtg ctttcatgaa      360
agcgaaa                                                                 367
```

<210> 216
<211> 374
<212> DNA
<213> Homo sapiens

<400> 216
tacggctgcg agaagacgac agaaggggc aggtggctgc atagtcttgg cggaggtgac   60
caaagccacg taatgtccgt agttcgctca tccgtccatg ccagatggat tgtgggaag   120
gtgattggga caaaaatgca aaagactgct aaagtgagag tgaccaggct tgttctggat   180
ccctatttat taaagtattt taataagcgg aaaacctact ttgctcacga tgcccttcag   240
cagtgcacag ttggggatat tgtgcttctc agagctttac ctgttccacg agcaaagcat   300
gtgaaacatg aactggctga gatcgttttc aaagttggaa aagtcataga tccagtgaca   360
ggaaagccct gtgc   374

<210> 217
<211> 358
<212> DNA
<213> Homo sapiens

<400> 217
tacggctgcg agaagacgac agaaggggcc cctaaccctg aggctgccgc gcggcggtca   60
ctgcgccggg gtagtgggcc ccagtgttgc gctctctggc cgttccttac actttgcttc   120
aggctccagt gcaggggcgt agtgggatat ggccaactcg ggctgcaagg acgtcacggg   180
tccagatgag gagagttttc tgtactttgc ctacggcagc aacctgctga cagagaggat   240
ccacctccga aaccctcgg cggcgttctt ctgtgtgacc cgcctgcagg attttaagct   300
tgactttggc aattcccaag gcaaaacaag tcaaacttgg catggaggga tagccacc   358

<210> 218
<211> 352
<212> DNA
<213> Homo sapiens

<400> 218
tacggctgcg agaagacgac agaagggag ggctcactga gaaccatccc ggtaacccga   60
tcaccgctgg tcaccatgaa ccacattgtg caaaccttct ctcctgtcaa cagcggccag   120
cctcccaact acgagatgct caaggaggag caggaagtgg ctatgctggg ggtgccccac   180
aaccctgctc ccccgatgtc caccgtgatc cacatccgca gcgagacctc cgtgcctgac   240
catgtggtct ggtccctgtt caacaccctc ttcatgaaca cctgctgcct gggcttcata   300
gcattcgcgt actccgtgaa gtctagggac aggaagatgg ttggcgacgt ga   352

<210> 219
<211> 365
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(365)
<223> n = A,T,C or G

<400> 219
tacggctgct agaagacgac agaaggggac ttaaagcctg aaaacatctt atttgtgcag   60
tctgactaca cagaggcgta taatcccaaa ataaaacgtg atgaacgcac cttaataaat   120
ccagatatta aagttgtaga ctttggtagt gcaacatatg atgacgaaca tcacagtaca   180
ttggtatcta caagacatta tagagcacct gaagttattt tagccctagg gtggtcccaa   240
ccatgtgatg tctggagcat aggatgcatt cttattgaat actatcttgg gtttaccgta   300
tttccaacac acgatagtaa ggagcattta gcaatgatgg aaaggattct tggacctcta   360
ccaan   365

60

<210> 220
<211> 367
<212> DNA
<213> Homo sapiens

<400> 220
```
tacggctgcg agaagacgac agaagggggct tgtccagtga aacaccctcg gccgggaagt    60
cagttcgttc tctcctctcc tctcttcttg tttgaacatg gtgcggacta aagcagacag   120
tgttccaggc acttacagaa aagtggtggc tgctcgagcc cccagaaagg tgcttggttc   180
ttccacctct gccactaatt cgacatcagt ttcatcgagg aaagctgaaa ataaatatgc   240
aggagggaac cccgtttgcg tgcgcccaac tcccaagtgg caaaaaggaa ttggagaatt   300
ctttaggttg tcccctaaag attctgaaaa agagaatcag attcctgaag aggcaggaag   360
cagtggc                                                            367
```

<210> 221
<211> 376
<212> DNA
<213> Homo sapiens

<400> 221
```
cgttgctgtc ggaagagtgg tactaccaga tagaaattct gaaattggaa attggaggcc    60
aaagccttaa tctggactgc agagagtata acgcagacaa ggccatcgtg gacagtggca   120
ccacgctgct gcgcctgccc cagaaggtgt ttgatgcggt ggtggaagct gtggcccgcg   180
catctctgat tccagaattc tctgatggtt tctggactgg gtcccagctg gcgtgctgga   240
cgaattcgga aacaccttgg tcttacttcc ctaaaatctc catctacctg agagatgaga   300
actccagcag gtcattccgt atcacaatcc tgcctcagct ttacattcag cccatgatgg   360
gggccggcct gaatta                                                  376
```

<210> 222
<211> 381
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(381)
<223> n = A,T,C or G

<400> 222
```
cgttgctgtc ggatatgatg ttttattcct agcctttctt caacacatgg attcattctg    60
caaagcaggt gagagaggag gcaggtcagg tctttactag aaagccttac ctgacaccag   120
atgctgtaga gaaacccagt ttctagaagg ctgtcattgt ccacaggtct ggggagaact   180
cttttttttct tgcacatctc aaccctcttc atttggggaa ttcacaattg tgtaagtctt   240
ggtggaagac aggatcctgt ttctggtcaa ggaaaataca aggtcagata tgttgtctcc   300
ctgaacgttg gtgtgtgaat caggggttcct cagagaaaat agaaccaata ggggcttgtg   360
tgtgtgtgca cgtgtgcacg n                                             381
```

<210> 223
<211> 462
<212> DNA
<213> Homo sapiens

<400> 223
```
tgatacccgc tacttgttcc ttttgcagga cttctctcaa gacccaatcc attcgtattc    60
cgttgacttg ggagagtttg ccaggtaaaa gactttctcc ttcttaaaaa atataggggtg   120
atttctttaa aactttgtta tctagagaca gtttaattac agttatatac aggtttatgc   180
ctaggatgta ttcagatggg tgggacctgt gtgctgcttt tgtcatccca cactcaaagt   240
tgtctctttg tttcttgctg ccactgccag ctcattgttg agactgccat ttctttctct   300
tactcagctc tccccagtgc cttttggcca ctgcagctac cgtagaatgg cattttatat   360
gtaccttgtc acccacttct gtttactttt tcctctccag taaaaaggaa aaaatttctt   420
```

```
tcaattggtc ttcccattgc aggtactgat atttctcttt tt                    462
```

<210> 224
<211> 414
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(414)
<223> n = A,T,C or G

<400> 224
```
cgttgctgtc gaaactcccc tgggggtttc acctgggccc tggaggaatt cagctcagct    60
tcttcctagg tccaagcccc ccacaccttt tccccaacca cagagaacaa gagtttgttc   120
tgttctgggg gacagagaag gcgcttccca acttcatact ggcaggaggg tgaggaggtt   180
cactgagctc cccagatctc ccactgcggg gagacagaag cctggactct gccccacgct   240
gtggccctgg agggtcccgg nttgtcagtt cttggtgctc tgtgttccca gaggcaggcg   300
gaggttgaag aaaggaacct gggatgaggg gtgctgggta taagcagaga gggatgggtt   360
cctgctccaa gggacccttt gcctttcttc tgccttttc taggcccagg gctg          414
```

<210> 225
<211> 412
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(412)
<223> n = A,T,C or G

<400> 225
```
cgttgctgtc ggttggaatt cagggcattg ctatttattc ctcgtcgggc tccctttgac    60
cttttgaga acaagaagaa aaagaacaac atcaaactct atgtccgccg tgtgttcatc   120
atggacagct gtgatgagtt gataccagag tatctcaatt ttatccgtgg tgtggttgac   180
tctgaggatc tgccccctgaa catctcccga gaaatgctcc agcagagcaa aatcttgaaa   240
gtcattcgca aaaacattgt taagaagtgc cttgagctct tctctgagct ggcagaagac   300
aaggagaatt acaagaaatt ctatgaggca ttctctaaaa atctcaagct tggaatccac   360
gaagactcca ctaaccgccg ccgcctgtct gagctgctgc gctatcatac cn             412
```

<210> 226
<211> 417
<212> DNA
<213> Homo sapiens

<400> 226
```
ggcacgaggg cggaaggagc tagggaagtt tgccgttttc gtccatgcca agatggctga    60
gctgcaggtg cgggacctga gcctgaagct gcaggcatc cccggccacg tgttcctcct   120
ccagctcctc cacgggcagc acatgaagca ccagttcctg ctgcgggccc ggacggaaag   180
tgagaagcag cgatggatct cagccttgtg cccctccagc ccccaggagg acaaggaggt   240
catcagtgag ggggaagatt gcccccaggt tcagtgtgtt aggacataca aggcactgca   300
cccagatgag ctgaccttgg agaagactga catcctgtca gtgaggacct ggaccagtga   360
cggctgggct ggaggggtcc gcctggcaga tggtgagaag gggtgggtgc cccaggg       417
```

<210> 227
<211> 404
<212> DNA
<213> Homo sapiens

<400> 227

                                    62

```
ggcacgagag ggcctggtgc tgcctatggc tctggagctc atgacggtgc tggtgggcag      60
cccccgcaag gatgggctgg tgtctctcct caccacctct gagggtgccg atgagcccca     120
gcggctgcag tttccactgc ccacagccca gcgctcgctg gagcctggga ctcctcggtg     180
ggccaactat gtcaagggag tgattcagta ctacccagct gcccccctcc ctggcttcag     240
tgcagtggtg gtcagctcag tgcccctggg gggtggcctg tccagctcag catccttgga     300
agtggccacg tacaccttcc tccagcagct ctgtccagac tcgggcacaa tagctgcccg     360
cgcccaggtg tgtcagcagg ccgagcacag cttcgcaggg atgc                      404
```

<210> 228
<211> 761
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(761)
<223> n = A,T,C or G

```
<400> 228
cgnttcgaat tcgcacgagc ccggcccctg cagtccggat actcacgcca gaagtgcggc      60
tgggatccgg cggccacctg cacctgcgta tctctcgggc cgcccttccc gaggggctcc     120
ccgaggcctc ccgccttcac cgggctctgt tccggctgtc cccgacggcg tcaaggtcgt     180
gggacgtgac acgacctctg cggcgtcagc tcagccttgc aagaccccag gcgcccgcgc     240
tgcacctgcg actgtcgccg ccgccgtcgc agtcggacca actgctggca gaatcttcgt     300
ccgcacggcc ccagctggag ttgcacttgc ggccgcaagc cgccaggggg cgccgcagag     360
cgcgtgcgcg caacggggac cactgtccgc tcgggcccgg gcgttgctgc cgtctgcaca     420
cggtccgcgc gtcgctggaa gacctgggct gggccgattg ggtgctgtcg ccacgggagg     480
tgcaagtgac catgtgcatc ggcgcgtgcc cgagccagtt ccgggcggca aacatgcacg     540
cgcagatcaa gacgagcctg caccgcctga gcccgacac ggtgccagcg ccctgctgcg     600
tgcccgcagc tacaatccca tggtgctcat tcaaaagacc gacaccgggg tgtcgcttca     660
gacctatgat gacttgttag ccaaaaagact gccactgcat atgagcagtc ctggtccttc     720
acttgtgcac ctgcgcnggg gangcgaact tanttgtnct t                         761
```

<210> 229
<211> 765
<212> DNA
<213> Homo sapiens

```
<400> 229
ctcgttcgat tccgtgctgt cggaaaaccc ccactgatga acctgaaaag gctgtggagg      60
atattaatga acatattacc gatgctcagt tagaagcaat gactgaactc catgacagaa     120
cagcagtaat caaggagaat gaaagagaga agaggcccaa gcttgaaaat ctgcctgaca     180
cagaagacca agaaactgtg gacattaatt cagtcagtga aggaaaagag aataatataa     240
tgataacctt agaaacaaat attgaacata atctaaaatc tgaggaagaa aaggatcagg     300
aaaagcaaca gatgtttgaa aataagctta taaatctga agaaattaaa gatactattt     360
tgcaaacagt agatttagtt tctcaagaga ctggagaaaa agaggcaaat attcaggcag     420
ttgatagtga agttgggctt acaaaggaag acacccaaga gaaattgggg gaagacgaca     480
aaactcaaaa agatgtgatc agcaatacaa gtgatgtgat aggaacatgt gaggcagcag     540
atgtggctca gaaagtggat gaagacagtg ctgaggatac gcagagtaat gatgggaaag     600
aaagtggtcg aagtaggcca gaaattaatt aataagccca tggtgggtcc tgaggctggt     660
ggtactaagg aagttcctat taaagaaata gttgaaatga atgaaataga agaaggtaaa     720
aataaggacc aagccataaa cagttcagag aacataatgg gcatc                     765
```

<210> 230
<211> 460
<212> DNA
<213> Homo sapiens

```
<400> 230
cgaacacaca cccttctccg ctcccaggtc tggttggtga gacttgggag tcaggaataa      60
```

63

```
gggaaagggg attgtttggt ttttgggttt ttccctaagc ccctcccttt tctttcagcc          120
ttttccttc  ccccattatg tcatgacctc acttaagtgg aacactatat cataacccag          180
agattcgtcc cagccccaga gtccgacaga ctgtctggtc cctattccta atgaggggtt          240
gtgttggggc ccaggtggag ggaggggatt tggggttca  gactgcgggg aagccagggt          300
ctccctcgtt caacgccctc ctcccctca  acccaccttc ccaactggga cattctcaag          360
cttttcacac cgaaaaggaa aaaaaatgtt attttagat  acattttatg aataactttt          420
gttatgaata tggctgggta accattgtgt atgttattaa                                 460
```

```
<210> 231
<211> 463
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(463)
<223> n = A,T,C or G

<400> 231
```

```
gtcaaaggca gcaagcagat agactcaagg tgtgtgaaag atgttataca ccaggagctg           60
ccactgcatg tcccaaccag actgtgtctg tctgtgtctg catgtaagag tnaggnaggg          120
aaggaaggaa ctacaagana gtcggagatg atncagcaca cacacaattc cccagcccag          180
tgatgcttgt gttgaccaga tgttcctgag tctggagcaa gcacccaggc cagaataaca          240
gagctttctt agttggtgaa gacttaaaca tctgcctgag gtcaggaggc aatttgcctg          300
ccttgtacaa aagctcaggt gaaagactga natgaatgtc tttcctctcc ctgcctccca          360
ccagacttcc tcctggaaaa cgctttggta gatttggcca ggagctttct tttatgtaaa          420
ttggataaat anacacacca ttacactatc cacagatata gcn                            463
```

```
<210> 232
<211> 495
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(495)
<223> n = A,T,C or G

<400> 232
```

```
aatctctaca gctgtctata acaaaacttt ttaggaaagt accacaaata tgttaaacag           60
aagaagcaaa tctcaaataa tgtgcaaaag ctgtgagttt cttcttacat aaaactggta          120
cctaagcaag tgagggttca ttttattttt cactcaccaa tccccatatc attatacagt          180
aacaccatac agccaaaacg gccatgatat tcctcccttc tcagccaaaa ttgggcaaga          240
gagaatgacc cttgtagggg aaaagaaacc tctacgataa actgaaatgc caccatcagg          300
gtttgttgaa actgtaggaa cagggtctac ngactcactt agctgctaat gagtttctat          360
gattccagat tggagtagtt caaagtaaga agtgaagggg ctggacctgt ctgtgaatca          420
gaatgagccc acgtcctcca ggaaggtttt ttatagcctc ctctcccaaa tgggaaaagc          480
ccaaatccca tcact                                                            495
```

```
<210> 233
<211> 295
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(295)
<223> n = A,T,C or G

<400> 233
```

```
agtcgaatat gacgnggana ggaagaagac cctgtgtggg actcntaatt acatagctcc        60
ngaggtgctg agcaaganag ggcacagttt cnaggtggat gtgtggtcca ttgggtgtat       120
catgtatacc ttgttagtgg gcaaaccacc ttttgagact tcttgcctan aanagaccta       180
cctccggatc aagaagaatg aatacagtat tcccaagcac atcaacccccg tggccgcctc       240
cctcatccag aagatgcttc agacagatcc cactgcccgc nnaaccatta acgac            295


<210> 234
<211> 501
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(501)
<223> n = A,T,C or G

<400> 234
tgactttgga ctctctcggg tacttgaaga tgacccagaa gctgcttaca caaccnggggg       60
aggaaagata ccaataaggt ggacatcacc agaagcaatt gcctaccgca agttcacctc       120
agccagcgat gtatggagtt acgggattgt tctctgggaa gtgatgtctt acggagaaag       180
gccatactgg gagatgtcca atcaggatgt aattaaggct gtggatgagg ctatcgctg        240
ccacctccca tggattgccc agctgccttg tatcagttga tgttggactg ctggcagaaa       300
gacaggaaca acagacccaa gttcgagcag atcgtcagca ttctggacaa actcatccgg       360
aatccaggca agtctgaaga tcatcaccag cgcggctgca aggccatcaa accttcttct       420
ggaccaaagc natgtcgata tcgctacctt ccacacaact ggtgattggc ttaacggcat       480
gaggacagca cctgtaagga a                                                  501


<210> 235
<211> 410
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(410)
<223> n = A,T,C or G

<400> 235
gcagccacag ctccgaagct ggcaagaagg atgtcagtgg gcccctgagg agctgcgccc        60
tcggtctgca cctgcgaaag ggacctcagg gctatgggtt caacctgcat agtgacaagt       120
cccggccccgg ccagtacatc cgctctgtgg acccgggctc acctgccgcc cgctctggcc       180
tccgcgccag gaccggctca ttgaggtgaa cgggcagaat gtggagggac tgcgccatgc       240
tgaggtggtg gccagcatca aggcacggga ggacgaggcc cggctgctgg tcgtggaccc       300
cnnagacana tgaacacttc aagcggcttc gggtcacacc caccgaggag cacgtggaag       360
gtcctctgcc gtcacccgtc accaatggaa ccagccctgc ccagctcaat                   410


<210> 236
<211> 304
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(304)
<223> n = A,T,C or G

<400> 236
tnacganatg acagatttna caaataacaa agtctacgcc gcaanaatta ttcctcacag        60
cngagtagct anacctcatc anngggnnna gattgacann gnaatagagc ttcacagann       120
tcttcatcat aagcntgtag tgcagtttta ccactacttc nnggacanag annncattta       180
```

```
cattctcttn gnatactgca gtagaaggtc aatggctcnt nttttganag caagaaaggt      240
gttgacagnn ccagangtcc gatactacct cangcagatt gtgtctggac tgatataccn      300
tcat                                                                   304


<210> 237
<211> 570
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> (1)...(570)
<223> n = A,T,C or G


<400> 237
gcttgatctg gccccgctcg tccagcagga tgttggaggg cttgacgtcg cggtggatga       60
caccgtgctt ctccttcagg tagtacagcg ccttcacaat cgccactgtc atcttgccca      120
gaatgcgctc ggggatgggg ccctgcatcc gcttcttgag cttctcagcg caggtgccca      180
tgagctccat ggcgatgaag acgtccgtgt tggtgatgaa cgtcccaaag cactgcacga      240
tgtaggggca gtcgtggctc ttcagcacca catccaggtc catgaggatg cgcttgttct      300
cctccttgtt cccggagcgc cgcatttgct taacggcaat gacgtggccg tcttccgga      360
agcgcatctt ccacacctgg ccgcagtgcc gctgcccatc tcgcccaagt tctccaggtc      420
gttgatttct gcctggtagc gctggccccc gatggtcagg taagccgtct gctttcatga      480
tctcctgcag cttctggtca atntcaatgc tctcnatgct gcggggtgtg aanagggttt      540
aacgggangc cccagnatgt gggcggggcc                                       570


<210> 238
<211> 648
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> (1)...(648)
<223> n = A,T,C or G


<400> 238
nattcaggca ctagggacca gcctgggcaa ctatagtgag ataggtctcc acaaaaaaaa       60
aaaaaaaaaa tagccagtct gggtgccaca cacctgtagt cccagctact caggagacta      120
aggtgggagg attgcttgag cccaggagcg gaggtcgtgg tgagccactg cactccggcc      180
ttagagatgc agcaagatcc catcaaataa ttgatagatt gatacctagc tagctagcta      240
gatagatgat agcaaatttt gagggaagat cagaatattt tacaattgac cataaagaag      300
tttaggtaca ttacaatgca aaaacacaaa aaaacccagg ctgtcgaagt tgaatagttt      360
ttttcttcaa ggtcattgct ctacattcat attatgatgt ctggaaagac atgttaattt      420
tcagaacata gaattactgg tgaggaagtt gaanaacatt ccttttttcc ctcctatagc      480
acatatggta tcatttctaa acatatttgg atgtgtgcac ttcatggcct ggactagggt      540
gaggcaagag aaattttata agacccaaat ttaaggaggc ncattgtcct aaggttggaa      600
cagtgtgagc ncctgcatct gcaccaccct aaangtggaa tggcncct                  648


<210> 239
<211> 398
<212> DNA
<213> Homo sapiens


<400> 239
agctcctgct ccttaaagct gagatcacgc tctagtttct ttagcctctc aagagttgcc       60
tcaatttcgc acctccactc cgccttgttg tgtacgaatg agttacactt gtcacgaagg      120
ctcgtgtcat ttgacatgga ctccaggatt gaaatgattt gcttgaatga tggccgtttc      180
ttggcatcag cttcccaaca ctgatgtaac agttcagcaa aacttctggg gcaactgctt      240
ggaatggtta atctctcgtt tttttccact acaagccaag ctacttgtaa tccttccaaa      300
```

66

```
cctttaaagg ggacctccct tgttagcatc tcccagagaa ccacaccata ggaatatgtg      360
tcacaagttt ctgacacagg gagactctgg ataacttc                             398


<210> 240
<211> 294
<212> DNA
<213> Homo sapiens


<400> 240
atcgagacat caaaccgtcg aacttcgcta tgggtcgctt tcctagtaca tgtaggaaat       60
gttacatgct tgattttggc ttggctcgac aatttaccaa ttcctgtggt gacgtcagac      120
cacctcgagc tgtggcaggt tttcgaggga cagttcgtta tgcatcaatc aactgcacat      180
cggaacaggg aaatgggaag acatgatgac ctttggtcct tattctacat gttggtggag      240
tttgtggttg gtcagctgcc ctggagaaaa ataaaggaca aggagcaagt aggc            294


<210> 241
<211> 501
<212> DNA
<213> Homo sapiens


<400> 241
gacaccttga cagaagagga aacacagttc tacatttcag agactgttct ggcaatagat       60
gcgatccacc agttgggttt catccatcgg gatattaagc cagacaacct tttattggat      120
gccaagggtc atgtaaaatt atctgatttt ggtttatgta cgggattaaa gaaagctcac      180
aggactgaat tttatagaaa tctcacacac aacccaccaa gtgacttctc atttcagaac      240
atgaactcaa agaggaaagc agaaacttgg aagaagaaca ggagacaact ggcatattcc      300
acagttggga caccagatta cattgctcca gaagtattca tgcagactgg ttacaacaaa      360
ttgtgtgact ggtggtcttt gggagtgatt atgtatgaaa tgctaatagg atatccacct      420
ttctgctctg aaacacctca agagacatac agaaaagtga tgaactggaa agaaactctg      480
gtatttcctc cagaggtacc t                                               501


<210> 242
<211> 350
<212> DNA
<213> Homo sapiens


<400> 242
cttaccgcca agtgaactgc ttttcccacc tcagccagac ttactgtggc agctttgctt       60
acgcttgccc agagatctta cgaggcttgc ctacaaccct ttcctgtctg acacctggag      120
catgggcgtc atcctttaca ctctagtggt cgcccatctg ccctttgatg acaccaatct      180
caaaaagctg ctaagagaga ctcagaagga ggtcactttc ccagctaacc ataccatctc      240
acaggagtgc aaggtccaac tgctcattgc ctgtgtggca caatggagaa aaactcaggc      300
aagacctctc tctcacctgc tctagaacct gatcctccag atgctacgcc                 350


<210> 243
<211> 466
<212> DNA
<213> Homo sapiens


<400> 243
caaccttaac caaatcggca gcagcacctc gaccgcccac acattcctgg ccaatcagct       60
cagctgttta tttaccaaat gtcttcacaa caactacagc agcagccttc gcgtaacaaa      120
aaagcaggaa aaatccacaa caccccttc gccaaccaac taaatccaac gcaacatctg       180
gcaaaacctt ttcagcaaat tcttcctggc cgtcagtccg gcagcctcac ctcaccattt      240
ctagcttgtt gaaacccaaa actaatctcc aagaaggaga agcttctctc gcagccggag      300
caggtccctt tctagagata ggagaagaga gagatcgctg tctcgggaga gaaatcacaa      360
gccgtcccga tccttctcta ggtctcgtag tcgatctagg tcaaatgaaa ggaaatagaa      420
gacagtttgc aagagaagtg gtgtacagga aattacttca tttgac                    466


<210> 244
```

67

<211> 511
<212> DNA
<213> Homo sapiens

<400> 244
```
cggtatgtga agccagataa tattctccta gagtgcaata tgcagatcgg acgtgcagat        60
ttcggattct cctgccactt ggaacctggc gagaagcttc gagagttgtg tgggacccca       120
gggtatctag cgccagagat ccttaaatgc tccatggatg aaacccaccc aggctatggc       180
aaggaggccg agctctgggc ctggggggtg atctcgtgca cactcctggc tggctcgcca       240
gccttctggc accgtcggca gatactgatg tgacgcatga tcatggagcg gcagtagcag       300
ttcagttccc ccgggtgcga tgaccgttgc agcactgtca aagacctgct ctccagtatc       360
gtgcaagtgt gtgctggggc aggagtggca gctgagcagg cgctacggca gcgcttcgtg       420
tgagcggtat cgagtgcaca agccgggaaa ctgatcccgc gtgagggggtt cccaggttgg      480
tagtcgtgag ggctggctgc tgggagagtg g                                     511
```

<210> 245
<211> 495
<212> DNA
<213> Homo sapiens

<400> 245
```
cctttgcagc cctgtacctc cgttatgcca atgctcagtg cagcatttgt ggatgagaat        60
ttgcctgatg ggactcacct tcagccagga accaagttta tcaaacactg gaggatgaaa       120
aatacaggaa atgtaaagtg gagtgcagac acaaagctca agttcatgtg gggaaacctg       180
actttggctt ccacagaaaa gaaggatgtt ttggttccct gcctcaaggc cggccatgtg       240
ggagttgtat ctgtggagtt cattgcccca gccttggagg gaacgtatac ttcccattgg       300
cgtctttctc acaaaggcca gcaatttggg cctcgggtct ggtgcagtat catagtagat       360
cctttcccct ccgaagagag ccctgataac attgaaaagg gcatgatcag ctcaagcaaa       420
actgatgatc tcacctgcca gcaagaggaa acttttcttc tggctaaaga agaaagacag       480
cttggtgaag tgact                                                        495
```

<210> 246
<211> 432
<212> DNA
<213> Homo sapiens

<400> 246
```
tttttttta aggttaataa acagctttat ttgccttgta cagcatcaat tttcttacat         60
tctcagttaa ttggccatta aagtgctgga aattttctta atcatgataa catttgttaa       120
aaagaaatca gaactaatat caggaacatg gcggcatgaa ggaaacagtt cccttacaaa       180
acacagaaaa tggaagcccc tcatgttgag ggggtgggtt ggacaatttg caaacagatt       240
ctaatttcct ctcaccgtca gcaccaaact ggctgggacc accaccctg ggtgaaagaa        300
acaacgctaa agaaccctaa aaacacccac acaccctgac taccaccacc tctgggccat       360
ctgtgggcgt ttgctgtttg aacagatcca gtctcaggaa agaggaagac ctgacctccg       420
tctgcaaccc at                                                          432
```

<210> 247
<211> 330
<212> DNA
<213> Homo sapiens

<400> 247
```
gaacttcaga aactttcaaa gtttgatgag cagagaactg ctacttatat aacagaattg        60
gcaaatgcct gtcttactgt cattcgaaga gagttattca tagagacatt aagccagaga       120
acttacttct tggatcagct ggagagctta aaattgcaga ttttgggtgg tcagtacatg       180
ctccatcttc caggaggacc actctctgtg gcaccctgga ctacctgccc cctgaaatga       240
ttgaaggtcg gatgcatgat gagaaggtgg atctctggag ccttggagtt ctttgctatg       300
aattttttagt tgggaagcct ccttttgagg                                      330
```

<210> 248
```

<211> 437
<212> DNA
<213> Homo sapiens

<400> 248

```
gttgctttc  ctttactgtg  aagataatat  aatccctgca  gtgtttctct  gctaacatat      60
gcaatttgca  gttctgacag  aggtccagtt  acgtgataaa  tatcctgtaa  agaaccacct     120
ccacaaaact  ccatgcaaat  ccaaagctta  tctcgcctga  gatagcttcc  aaaataagca     180
acaatatttg  ggtgtttaca  gtctttcatc  ataataattt  cttgctgcac  aactgcaaag     240
tcttctcctg  gttccaattt  tattacttta  attgctgcta  attcaccagt  gttaacattc     300
cgtgccttgt  agacgtcgcc  gtagtgccgc  tgccgatgcg  ctgaatcagc  tcgaagtcct     360
cctgcgggtt  ccggcgggac  aaatcgaagc  cggggttcat  ggcgggcccc  aggtgccccc     420
cgcctccctc  ccgggca                                                       437
```

<210> 249
<211> 400
<212> DNA
<213> Homo sapiens

<400> 249

```
attaaaggcg  attttgaaac  aattaaaatc  tgtgatgtag  gagtctctct  accactggat      60
gaaaatatga  ctgtgactga  ccctgaggct  tgttacattg  gcacagagcc  atggaaaccc     120
aaagaagctg  tggaggagaa  tggtgttatt  actgacaagg  cagacatatt  tgcctttggc     180
ttactttgtg  ggaaatgatg  actttatcga  ttccacacat  taatctttca  aatgatgatg     240
atgatgaaga  taaaactttt  gatgaaagtg  attttgatga  tgaagcatac  tatgcagcgt     300
tgggaactag  gccacctatt  aatatggaag  aactggatga  atcataccag  aaagtaattg     360
aactcttctc  tgtatgcact  aatgaagacc  ctaaagatcg                            400
```

<210> 250
<211> 507
<212> DNA
<213> Homo sapiens

<400> 250

```
ggattaatcc  tatatgtaat  gatcattatc  gaagtgtgta  tcaaaagaga  ctaatggatg      60
aagctaagat  tttgaaaagc  cttcatcatc  caaacattgt  tggttatcgt  gcttttactg     120
aagccaatga  tggcagtctg  tgtcttgcta  tggaatatgg  aggtgaaaag  tctctaaatg     180
acttaataga  agaacgatat  aaagccagcc  aagatccttt  tccagcagcc  ataattttaa     240
aagttgcttt  gaatatggca  agagggttaa  agtatctgca  ccaagaaaag  aaactgcttc     300
atggagacat  aaagtcttca  aatgttgtaa  ttaaaggcga  ttttgaaaca  attaaaatct     360
gtgatgtagg  agtctctcta  ccactggatg  aaaatatgac  tgtgactgac  cctgaggctt     420
gttacattgg  cacagagcca  tggaaaccca  agaagctgt  ggaggagaat  ggtgttatta     480
ctgacaaggc  agacatattt  gcctttg                                           507
```

<210> 251
<211> 396
<212> DNA
<213> Homo sapiens

<400> 251

```
agaatacctg  ctggatgaga  gtttagccaa  gccaaccatc  aaactggctg  actttggaga      60
tgctgttcag  ctcaacacga  cctactacat  ccaccagtta  ctggggaacc  ctgaattcgc     120
agcccctgaa  atcatcctcg  ggaaccctgt  ctccctgacc  tcggatacgt  ggagtgttgg     180
agtgctcaca  tacgtacttc  ttagtggcgt  gtccccttc  ctggatgaca  gtgtggaaga     240
gacctgcctg  aacatttgcc  gcttagactt  tagcttccca  gatgactact  ttaaaggagt     300
gagccagaag  gccaaggagt  tcgtgtgctt  cctcctgcag  gaggaccccg  ccaagcgtcc     360
ctcggctgcg  ctggccctcc  aggagcagtg  gctgca                                396
```

<210> 252
<211> 576
```

<212> DNA
<213> Homo sapiens

<400> 252
caggacccga accccctacag cttccagtca gacgtctatg cctacggggt tgtgctctac   60
gacttatgac tggctcactg ccttacagcc acattggctg ccgtgaccag attatcttta   120
tggtgggccg tggctatctg tccccggacc tcagcaaaat ctccagcaac tgccccaagg   180
ccatgcggcg cctgctgtct gactgcctca agttccagcg ggaggagcgg cccctcttcc   240
cccagatcct ggccacaatt gagctgctgc aacggtcact ccccaagatt gagcggagtg   300
cctcggaacc ctccttgcac cgcacccagg ccgatgagtt gcctgcctgc ctactcagcg   360
cagccgcctt gtgccttagg cccgccaagc caccagggag ccaatctcag ccctccacgc   420
caaggagcct tgcccaccag ccaatcaatg ttcgtctctg ccctgatgct gcctcaggat   480
cccccattcc ccaccctggg agatgagggg gtccccatgt gctttttccag ttcttctgga   540
attggggggac cccgccaaag actgagcccc ctgtct   576

<210> 253
<211> 387
<212> DNA
<213> Homo sapiens

<400> 253
caggtggtgt tattgtaata gtctgagctg taaattcttc atcaaaatat ctagtatctg   60
tctcagatgt tacttgaggt ttaagaggag gtacaagctt tttatcatat acatcttgcc   120
agtttactcc agagaagaaa ctgtgtctca taatttcttt tgcgtcatct ggtcctccac   180
caaggcgttt atttggatcc tttatcaaga gccctgaaag caatgatttt gcatctgaag   240
agagtgttcg aggaaattta atgtcttcca ttaatattaa ttcaaaaagt ttctcatggt   300
cctggttgta gaaaggtaac ctcccacaca tcatttcata catgacaacc cctaggcccc   360
accagtctac tgctcggcca tagtcat   387

<210> 254
<211> 739
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(739)
<223> n = A,T,C or G

<400> 254
ttggaaggaa aaagtgtaaa agttattgtt gcatatttgg gaacagcaag cacttagttt   60
gagaaaatga ggacttaaaa cagttgaatc aaaggcaata ccctggtact tgtatttaaa   120
atcaatggtg atgttctttc ttaagcaaca ttcttctctt ccctaatagc tacaatatga   180
tacagtacgc aacagctcac ttgaaagtgc tagaatcaga ggataaagaa gccataagcc   240
accccactta catttcgtac tatacaatgc cttttggcg cttgataaat caagcattca   300
tgtagcatta cattcaacag aaacatttct cgtactttgg gtttaagatc gttgtccctc   360
cagttcggat gtcgtgacat ctgactcttc atcactgtaa atattttcag ccatttgcca   420
tatctgcatg atgttatcct cagacactga gcaaatgacc caaggctcat tggggtncca   480
gctaaaatct gaaatcttat cagtgtgtcc gccatgaata aacaggagtt ctggatggcc   540
atcttctgca tcctctggtg attgttcttc cccaatatac ttaaatccac acattcaggc   600
gggcggtagt accacttgaa tccgaatagt ttcactatgt ggagacagtg gacctcgaaa   660
attacatctc aaggagattc gaggtatgga gtcttaattt taagttaacg caattccata   720
aagctacggt cttatccgc   739

<210> 255
<211> 459
<212> DNA
<213> Homo sapiens

<400> 255

70

```
aaaaaaaagtg tttatttcct ttatttttaag attcagtagg atagccaaat tcatagagaa       60
taaaattaca tgaaagagtt acaagctcac tgtttttaaag acttgacatt tttcatttag       120
ttttaattaa cagtaaataa gtcacctcct gttttttcaat gttcaccaaa aaaagaaaca       180
tagaatgggg ggaaaacatg cttatatagc caaggtacag atccagatga tgtaaccttt       240
ttagtattcg catgacttga aaactgggca gatcaataga taatcgaagt gctttatctg       300
aagggagagg gtaaagacag tgtgaccagg tttgttttca gggctgccga atgagcctca       360
cctaacagtg tccatgggta attcgctaac cttaacaaag atgggaagaa gtgagtgctc       420
ttatgtcttc tgctggctct ccataagtac tgtaaattt                             459
```

<210> 256
<211> 305
<212> DNA
<213> Homo sapiens

<400> 256
```
gacccttaaa taaagtaatt agtttagggt gttgtaatca atggataaaa ctcttagatg       60
gaaattgatg atgaacttta ttatggaatc atcagacaat ctcaacctgg acctgtaaat       120
aatcttagcc ccactaaaag tgggataaac agacatgtgt gagttgatgt accttaccat       180
ttatgaacta ctgttttaaa aaatgtgaag ttaatcaagc ttctagaaga aattttttgtt       240
ccaagggaca actcacacgg tgtctgcaat aagtcaaaga catgaaaaaa aaaaaaaagt       300
cgacg                                                                  305
```

<210> 257
<211> 554
<212> DNA
<213> Homo sapiens

<400> 257
```
tttttttttg tcaataaaac tttaggaata tctgcacatg tacatttaca ttcaagttga       60
taacactggt ggtttcattt caatacaaat tatgctagag aactgacatt tcagacatgg       120
tcatatatat gctatttgaa ttcctttatc ttgatacaga tcttgattgt gaatctcttg       180
atgatagatg tgcagctaat ttgtcccgaa actcatgaag ataattgtat tgcttgatgg       240
tctgtattgc cccggatcct cttaggtctc gcaggctgtc tatggcttgc tctggtgata       300
ttgtgtcaga caggtatagt aggagacaag cagctacaag acaagatctc ccaagtcctc       360
catagcagtg tattaaggtt tttcggtaat ttttaaggca ggttgtaagc tcttccatta       420
tttcacagca gctggctatg tcaggagtcc tccatctgcg attggatgat gatgggtgat       480
aattcacatt gctggtagag atccagaagg tttgggactc tatattttga cagttgccct       540
ctggtgcaga atac                                                        554
```

<210> 258
<211> 700
<212> DNA
<213> Homo sapiens

<400> 258
```
acatggaaat attccatggg atttatttttt aacaaacatt tacataaaca ataaatgaaa       60
aaaaaacagg tttaaagtga gcagattcat atttacagtg tgatttttaa ggactgtcta       120
tatccaaatt ttattttcgt gaacgcttac attctaagag cagtacaatt agcctattac       180
gtagggccct aatcttgtta gtatagtgtt gttgaaatac tttcttcagc ttttgcctta       240
acaaatccaa agatggaaga tgatgacaat ctggaatatt caacataaca tgaaaaaatt       300
cattccacat atccaaatga ggaagccttc taaaaagacc ttcaggctta cactctcctc       360
cttcattttt cactttcatg taagtgccaa agagcatgca atatactgtt gcagcaaccc       420
caaagtaatc gatctggtag ttccatggtt tgttgctgag catctcaaca cactgaaaac       480
cagatgtatc acactttgct gtgaatatag ttccttttgg aaaaagtttc atatctatac       540
tctgacccag gtcaatcagt gccaagccag cagataaatc atcctcatca atcctgtcca       600
aaaatacgtt tccaagtatg aaattgtctg gtttaatgtc tccatgaatg atttcacagt       660
catgcacttg ctcaatcatg ttaagcatcc tcatagcaaa                             700
```

<210> 259
<211> 902
```

71

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(902)
<223> n = A,T,C or G

<400> 259
```
gagatggagt ctcactctgt caccgggggct ggagtgcaga gggagattat ctccaaaaaa   60
taataatgat aaaaaaaaat taaactgctc tctcattata aagtcaggtt cttgtttcag   120
taggagttaa aaaatagctt ctcctatcct gatttgagga agtggggggaa agtcctaggc   180
ctgtatgata cagggccaga attcagcaaa attactgtgc ttctttcaaa gcttcctttc   240
tacctgccag catcaataca ttcctttctc aaaagatgtt ttattttggt ttttaataat   300
taaaagaaaa aaactatctt cccttgtaag acttttaaca cattatagta tctcagaaga   360
gcaggtanaa catcaaatat aaaagaaaaa taaaatcttg atgaataatt aatattatat   420
atcttctaca atttgataca caaaacaata aagacttaat tttaacctta atactacctt   480
tagggacttt tttgaacagc agaaatcata tctccatttt taattgtggt acttttatgg   540
aagcttccca aacttctttt gatatgtcta ctccagagga catctacctc ataagcagac   600
caatcggtat tatttatttg ctcatgatgc atcactagtt tctgcagact atttgctagg   660
aatccggatg ggattaatat caaatattta aattcatcat atggtggtgg tggattccta   720
aattacttac aaatattacc gggacctcca gtccaggatt aatggaagct cagtccccctt   780
aatgaggaaa ttccaaattt ttggggatat ttttgggaag gaaccggttt tggcggggtc   840
cccaataacg ggaaatgtag gtttaaagac ctaagttggg agttttgctg agtcgtgggc   900
gg   902
```

<210> 260
<211> 669
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(669)
<223> n = A,T,C or G

<400> 260
```
atcaaagatt tttattgatt cccctgccaa acacaactga tttccatcta caattacttt   60
ttaaggtaag aaacagtaag tcaactgaac aaagagctgg gctttgggcc tggaaacgtg   120
attacacacc gactgagaaa tgcaggacct cagggtgggg tctagtcagg ctggccgcaa   180
cagggcacga acctgcctca gtgggccttc tccaagaacg ctctgcagca cctgacacac   240
tgctggtaca ccgtctcaaa gtcagagtca ttcccataat agggatcttc aataaaaagt   300
tgttttttgtg gatcatagct cccaagtagt tcaattttag ctttgcaggt tttaacttga   360
ttacttttttc tattcaaatc tcccagattg ctttcatcca tacatagtat ataatcaaat   420
gtggcaaaat cttctttgga aatctgccgg gaaacgtggc ccatgggaat gccgtgcctc   480
ttcatgcagc tctgccctcg caagtcaggg gggttactna tcccaaaccc ggaagttgcc   540
gcgctgtata ccccccaatt tctcgaaaag ttttgatcgg ttacaagttt ccgaaaaaat   600
gcttctgaat gggggatcga caaagttacc cagaaaccca aaaagcaggg actgggagcc   660
gtttccgcc   669
```

<210> 261
<211> 551
<212> DNA
<213> Homo sapiens

<400> 261
```
cccctttcag atggaatggt ttatttaaat cagatgtaaa tagtagaaag agccagatta   60
caagccccac ggtccattag cctcaaagac aggaagtctg cccatcctcc caggttttcc   120
tggtcccaat ctcctctgag agctgaaggt ttttgctggt gtcccctcac tgctccaggg   180
acaccgtcag ctcatggcat cgtgttgtag accctgtagt tgtccttctg cgtgatgtgc   240
```

72

```
agcttccagg ggaagaggcg cttctgggag gggaggccac gagtctgccg caccatgagc    300
gctacgtcct catccgacag cagccgaacc agatccccct cagcgtcccg gtaattcaga    360
gctatgtcct ctctctggaa ctccgccttg tgagctccac aggtctttca ataggggagt    420
gctgctgaga tcttcctcac cgcgatgtcc ttgatggtgc tgatggtgtc tcgtagtagt    480
agcaaccagc cagttggtgg ggtcgtcctc tcatggaagt ctttgaggat cttacgagga    540
                                                                     551
gagaggggaa a

<210> 262
<211> 879
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(879)
<223> n = A,T,C or G

<400> 262
tttttttttt tttttaaca atgactcttt ataaacttgt atggggtcta aattatccct     60
tgtaatatat atgtgtgtat tcattccaca gagaattaga tgatccgcct ccaggtaacc    120
tgctgggaat ttcttgagat tttggctccc cttgaatggc cgcatccaac. ttgttttgtt    180
agaactccca gcatcacagc gatggcagct ctcttagatt ccccatacat ccacgaccta    240
tatcatgtcc aataaatcgt ccacatcacc accttcttca aatacagctg ctgtgtctcc    300
acttggtttg tctttggggg ccagaaactt tttggcttcc tcagctgtga cagaacttcc    360
agaggcttcc tctttggtga tcagagtaat tccatcctgg acaacaattt cccagaaatg    420
atttaattgt ttaatttcca ctttctcttg aagggctttc aggaagttgt taaagcgctg    480
ctcttctgaa aacttaatgg cttcttcccc gaaggctcng atgcagtcta tgctcttcat    540
aaaatacggt gtttcattag tatccaaaaa ctgttcgatg tgatttatga gctggntact    600
cgcttcctca aagctggcct ttcttctgtt tactagaaca cggaaagttt cagcaggatt    660
cacactttcc acagaggtga cactgccttc agccagactg gagaacctga agtgggcccc    720
cccttgtcag tctttaattt ttagcttgga gtccatcttc atggntggct tggaaaaatt    780
ccctgacagc cacttgatcc ttttttttggc ttcaatcaaa gaaaaaggtc tttatttttaa    840
                                                                     879
agagaggatt tgactttttcg ttgcacctaa cgggaggat

<210> 263
<211> 479
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(479)
<223> n = A,T,C or G

<400> 263
gggttttttca ctcgtctcct cacactcctc tggagtacta ctgctgtttt ctgaagacgc     60
gagggcaagt gcagccagcc gtttcttttc cttctttaag cgtttcttct cctgtttctc    120
cagcttccta gtaatctcag cagccgcttc ctctgcctga accattgctt ccttcatgac    180
atccagattc tttcgtggta tctctccagt ctcatagaag gacagtcgct cttcaacttg    240
ttctcgaagc ttctccccga atacactcgt gggcacctca gagaagcaat cgattcgtga    300
ggcaatactg catttgtttg ccaggtatcg ggagatgcgg cctttgttct ggcagctgc    360
tcggccaatg aaggtggagt ggaaaatgag tccatatttt gnggtgttac cccttgtctt    420
cagggctctg gaaacttggt cccttttngct gggccctgga atcactcaga caccaggac    479

<210> 264
<211> 736
<212> DNA
<213> Homo sapiens

<220>
```

73

<221> misc_feature
<222> (1)...(736)
<223> n = A,T,C or G

<400> 264
```
tttttttttag ctctcttaga aatttttattg gtcctggaga aaggaaggca aactctgcct    60
cccgctcaga gtcccccaa ccctcactgt ttcccgttgc cattgatggg gaggttcacg    120
tactcagggg aggccaggaa ggccttgagc ttgggccggg cactgaggcg ccccacatat    180
gctgagagca gggggaacgc atccaggcag ccaggggcta ggacctcatg gatcagcagc    240
aagtccagca ggttgtagtc agcgaaggag atctggtctc ccacaatgaa ggtcttgcct    300
ccctggttct gggacagcag ggtctcaaaa ggcttcagtt gcccgggcag tgccttcaca    360
tagtcatcct tgcccgcctc atagttggtg tagatgaggg agatgtattt gcagcggagg    420
tcctccacgc cgtcattcac catgtccacc agggctgcct cctgctggtc cttcccatag    480
agcccaaggg tgcggcccag gtgacgcagg atggtattgg actggtacag ggtgaggtct    540
ccgtcctgga acttggggag ctgcccgtat aggcaggagg ctttgagtga gcccttctgc    600
cacgtctnca cggtcaccac ctcctccttc cagctctggc cctgatctgg cagcagcatg    660
cgcagggccg ggcagcggcc ctcaactggg aaataaacaa cggggtaggg ccgcaggtgg    720
gcaaaaactg ggggcg    736
```

<210> 265
<211> 691
<212> DNA
<213> Homo sapiens

<400> 265
```
aggtcgtttt ttactagtgt gtggaagaca tttaggagaa ttccaactga ttaccattta    60
cagtgatcac aatgaaactg ctcagagtta tcactgaact tcagtaagaa aatacaacag    120
agtgccatca ggacagggga gagggcagga gactgctcca tcgctctgct catgtccaca    180
ctgccaaggt ccccaccacg ggggtcccca gtgcacccca gctccggggc agaagaggca    240
gcctgcagat ctctgctgcc gggaaagagc tcctgaagtt gtggggtctg gactctgctg    300
gggacggggc cttccgcgag tctcccacct ctcggggggac tgcagggaga ggcgtctcca    360
gtgggcagcc ttgggtcact tccatagctc ccccagcggc ttctctgtgg cagtgcggat    420
ggcgtcctca gagagcacgc ggatgtcctc atggacagct tcgatgcttt tggaagcatc    480
caccatcttc cagttcaaag tcgtgtcttt catgagctgg tggaaacacc ggagcgcccg    540
ctcctgaaaa gccccgttct catagcgctc atggccaaac gctccccgct ttgcagcatc    600
cgccagctgt aactggaggt acaggaccaa gtcgggtttg ggaaggccca cgtctgggtg    660
ttacaccaat ctaaggaaaa atcttcctgg c    691
```

<210> 266
<211> 820
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(820)
<223> n = A,T,C or G

<400> 266
```
acagctgatg aggatttata agtgtgattt taaaaacagc cgatttaaac catgtacaaa    60
taagtttgca aaaagtctgc caaacaaaac atactttaaa catgtttaag tagatagatt    120
atctgaaatt ctggattttt cactcacttc attgttatgc tatggcagcc aagtaatcct    180
taacttcact tggagtaagc ctcctaaatc cagcttcatt gcagattcca acttctatgt    240
tatcctctgt catttgccct tcaaagcttt cctttagggt taagatggct gtatgaatgg    300
catcttcaag ttccagatct tcattatatc ttttctcaag gaaagtcttc ccattcacat    360
agttctttcc cattgctgta gctttccagg caaagtaagc tccacatgga tctgactgaa    420
ataaatatgg tcgtccctca ttccaaccac aaataagtaa agaaactcca aatggacgaa    480
caccacctga ctgagtatat tcttgcatca cagaagctac tctctgtacc agctgagctg    540
tangaatggg gtgcttgtac acacgatagt attggtgagc tagtgttcga gctctgtgca    600
caagcactct gtaatcgggg cacatgccac tgtacaccaa acctatatgc ttgggtatag    660
```

74

```
gntctactgt gggtacactt ctgtcatcat acagaatgga tttctgtttt ttcttcattg        720
ctaataccac acaatttgga gttttattct cagggcgggg gctcctcagc tcagcaagcc        780
aagctattca tcttggcaat ttaccaaacg gctgaagtag                              820


<210> 267
<211> 256
<212> DNA
<213> Homo sapiens


<400> 267
tttttttttt tcaagttgct gagcttttct gggcatgagt tttcttgtat tgaaagtgca         60
gataataatt acttacctca cagggtcatt tggatgaaat gaaatgaagt ggtgagagag        120
tgtctggcac agagaaaatg ctcaataggc gctgattacc tcctatgtct cctgttccct        180
tggtgacctt cctcatgtca acattagctt ggccccaca aattagtgcc ccttctgtcg         240
tcttctcgca gccgta                                                        256


<210> 268
<211> 730
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> (1)...(730)
<223> n = A,T,C or G


<400> 268
tgtcaataaa actttaggaa tatctgcaca tgtacattta cattcaagtt gataacactg         60
gtggtttcat ttcaatacaa attatgctag agaactgaca tttcagacat ggtcatatat        120
atgctatttg aattccttta tcttgataca gatcttgatt gtgaatctct tgatgataga        180
tgtgcagcta atttgtcccg aaactcatga agataattgt attgcttgat ggtctgtatt        240
gccccggatc ctcttaggtc tcgcaggctg tctatggctt gctctggtga tattgtgtca        300
gacaggtata gtaggagaca agcagctaca agacaagatc tcccaagtcc tccatagcag        360
tgtattaagg ttttcggta attttaagg caggttgtaa gctcttccat tatttcacag         420
cagctggcta tgtcaggagt ccctccatct gcgattggat gatgatgggt gataattcca        480
cattgctggt agagatccag aaggtttggg actctatatt ttgacagttc ccctctggtg        540
cagaaaacaa atatgtcttg tataccacan gctctttagt ttcttctgta tcttttttgga       600
catttcttct aaccatcttt taatttacaa ccctgaagga gcacataaaa cccgagaaac        660
tgagaaccaa ttcactcgtg acaaagaata gccatgatat atgaaaatgg agctgttcaa        720
tctcaatagg                                                               730


<210> 269
<211> 519
<212> DNA
<213> Homo sapiens


<400> 269
tttttttttt tcggggtctc gttgctgggc gagggcgtgg ccccgtcctc ggccttgggc         60
gaagaagtcg aggaggcggc cgacgcggcc tctccctccg cggccgtggg cgagccgggc        120
tcggcagcct cgccttccgc gggggcctcc ttctctaccg ggctggcccc ggcctcgggg        180
gcagcggcgg cggccggctc acctttctcg gccgcggagg cgacgccgc cccgctcccg         240
gcggccgcgg gctcctcctt gtcggcggcc ggggcgctgc cgttggcctg cagctcctcc        300
ttggcgcccg actcggcggc cgcgggcgaa gcgtcgccgt ttaccttcac gtggccattc        360
tcctgtccgt tcgctttgga aggcgacgag gccacagccg cctccccagg cctctccgcg        420
gcggcttctc ccttcgctgc ggtcttggag aactgggcac ccatgctggc ttcttcaaca        480
aagaaactca acagatccaa gaggggaaac aaagagcct                               519


<210> 270
<211> 740
<212> DNA
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<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(740)
<223> n = A,T,C or G

<400> 270
gggggtttaa cagtttatta ggatttataa gtgtcatttt aaaaacagtc gatttaaacc   60
atgtagaaat aagtatgcaa aaagtctgca aaacaaaaca tactttaaac atgtttaagt   120
agatagatta tctgaaattc tggatttttc agtcacttca ttgttatgct atggcagcca   180
agtaatcctt aacttcagtt ggagtaagcc tcctaaatcc agcttcattg cagattccaa   240
cttctatgtt atcctctgtc atttgccctt caaagctttc ctttagggtt aagatggctg   300
tatgaatggc atcttcaagt tccagatctt cattatatct tttctcaagg aaagtcttcc   360
cattcacata gttctttccc attgctgtag ctttccaggc aaagtaagct ccagatggat   420
ctgactgaaa taaatatggt cgtccctcat tccaaccaca aataagtaaa gaaactccaa   480
atggacgaac accacctgac tgagtatatt cttgcatcac agaagctact ctctgtacca   540
gctgagctgt aggaatgggt tcttgggaca caagatagtt ttgttgagct agttntcgag   600
ctctgtgcac aagcactctg ttatcggggc ccatgccact gtacaccana cctatattgc   660
tgggtaattg gntctacctt gtgtacactt cggtcatcat acagaaatgg attctggttn   720
ttctcagttg ctaatcccac   740

<210> 271
<211> 611
<212> DNA
<213> Homo sapiens

<400> 271
ttttttttcc ggcttccaaa agctttattg gcaaatatgc tctataaaag aatgatcaat   60
cctgttgcct ctaagtcaat ggaatgaaga gctgtgtcca gggacacacc acgccgtgct   120
gaaggagact gctgttgtgt ccacctctta ttcatagacc cagtcatgag cacaagactt   180
gtagtcaacc agttcttcag gcttaaacca taggctgatt tcttttcag cacttttac   240
tgaatcactg ccatgaatga tgttcctgcc aacctgaatg cagaagtccc cacgaatggt   300
gcctggcttt gaatctgctg gattggtctc cccaagcatc actcggcctg tcttcaccac   360
gttcagcccc tcccagacca tggccacaac cgggcctgag ttcatgtact tcaccagccc   420
agggaagaat ggtcggtctt tcaggtcaat gtagtgctgc ttcaggtgtt cttcagaggc   480
ccggaggaac ttcatggcca cgaggcggaa tcccttctgc tcgaagcgct tgatgatctc   540
gcccaccagg ccgcgctgca cgccgtccgg cttgatggcg atgaaggtgc gctccaggtt   600
ggccatggtc c   611

<210> 272
<211> 498
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(498)
<223> n = A,T,C or G

<400> 272
tttttttttt ttttgccaca tgagcaagct tgggtgctcc caaggttcaa atactttta   60
ttagacacgg ccaggcagag aagaccatgg gagttcccga ggggccccag ctttcaaggg   120
cgacgggaga gacacaggat aaaaggttaa aagtgcagag cagagtctg gggctcaggt   180
tgggtctagg gtgtcctcaa acaggctgag gaggttccga ggctcaaagg agggggaagga   240
gccccgagga ggctctgagt tgatgtcact taggtccagg gcatccctgg gtgtgcacct   300
gctccggggg gtggaggtgc tccccacagt ccgggccagg acagcctcag gggagagtga   360
aggccctagg ctgtcgtcat cccacgtgct ggagaggctg ctgtccagga gcaaactgca   420
gggtggtgag ccaggcggtn gtggctgctg gcccaggggc tgtagccagc tggcaggtg   480
agccagccca tgccagag   498

<210> 273
<211> 138
<212> DNA
<213> Homo sapiens

<400> 273
gagaagacga cagaagggga ggagacactg tgcagatgga tgcagaaact ggaattttgc   60
ctccacaagt taagtaatac taatagctct cggaagctga aaaaggcaaa aaaaaaaaaa   120
aaaaaaaagt cgtatcga   138

<210> 274
<211> 339
<212> DNA
<213> Homo sapiens

<400> 274
tttttttttt ttttttttaa ttgcctcctg atgtttatca acctacttgc aatatggaag   60
attgaaatat aaggcaatag gtttcatggc acactccaga gatgtttgtg ctgtcctcca   120
gccttctcat aattagtcac ttgcgagcag taactcagaa ctttttccaa tttcacaggt   180
actcatgcct cacaactgcc tccccactcc cagtaactga gaaatagagt gttcaaaaca   240
gtgacaatag aaaggcaaaa gacctttaaa gaaattccac aaagcccctt ggcactgatc   300
atatagaagt tttgccagaa aaatcaaaca tccaacact   339

<210> 275
<211> 118
<212> DNA
<213> Homo sapiens

<400> 275
tttttttttg gctccttcta gtttaatggg gttctcagaa tgttcaaagt atccacctaa   60
cacccgggc agaaatcctc cctttgcagc caggattatg actttacaga gggaaaaa   118

<210> 276
<211> 414
<212> DNA
<213> Homo sapiens

<400> 276
gtgctgtcga ttacgagcga cactgcgatt ccatgaactc ggtctttggg agcgagtccg   60
ggggttgcgg ggactcgagt ccggggccta gcgccagtca ggggccgcga gccggcggcg   120
gcgcggcgga gcaggaggaa ctgcactaca tccccatccg cgtcctgggc cgcggcgcct   180
tcggggaagc cacgctgtac cgccgcaccg aggatgactc actggttgtg tggaaggaag   240
tcgatttgac ccggctgtct gagaaggaac gtcgtgatgc cttgaatgag atagttattc   300
tggcactgct gcagcacgac aactttattg cctactacaa tcacttcatg gacaatacca   360
cgctgctgat tgagctggaa tattgtaatg gaggcggagg tggaaagggc ccgg   414

<210> 277
<211> 143
<212> DNA
<213> Homo sapiens

<400> 277
gagaagacga cagaagggtt aagttgttgc aacagagact atatggctag tgaagtccaa   60
catatttact actggccatt tacagaaaaa gtctggactg caaggaagac caaaaaaaaa   120
aaaaaaaaaa aaagtcgtat cga   143

<210> 278
<211> 243
<212> DNA

<213> Homo sapiens

<400> 278
gagaagacga cagaagggtg taagcacaga gaggggaaaa taattgttca ctgttctggg   60
gtggaaaggg actgaagata caatcaagaa aaatgtgcac aaaactcatc aggaaacatt   120
ggctaactgt attttctgat accgtggagt tgtatttccc atgggaagta tttgaggatc   180
tactgagtca ctgaagctgg aactggccgc acaaaaaaaa aaaaaaaaa aaagtcgtat   240
cga   243

<210> 279
<211> 722
<212> DNA
<213> Homo sapiens

<400> 279
ttttttattt cataattctc ctttattagg cacaggtaaa catacatact catggtatcc   60
aaaacctaga gtatggacct gggattgtgg accccaagtg tccccagaag agtcccacct   120
gggactttcc aggtggccac aggacagacc ctgcctaatc ctgtccctca accttggtgc   180
tcaggtcaga agccccatgg ttgacaggcc tggaccctca ttccagaaca gtcttgagtt   240
agacaagaac tagcctcata gtttggattc ttatctctgg cccaaatccc aggcttaggc   300
ctggaaggag aatctcttaa tcaagaggac agagatgctg ggaacacagt cccagagat   360
gggatcgggt tggagctaag ggcatcgggt cctgtcgcag ccaggggtgc aggaggatgc   420
ctgtggctgt gagccgttca gctggctccc gacgaaggag gcagcgaacc agacagcggg   480
cagggggccga gaggcctgca ggcaaggcgt aggccccgcg gcggatcttg ccgaagagca   540
agacaggctc cgagtcctgg aaggggtagt ggccggccag catggtgaag agcgccacgc   600
ccaggctcca gacatcgggt ggcttgcccg agtatgaagc ccgtgagctg agtattctca   660
ggttcacgtt aggctgggca cgcgtgcttt gtccaaaagg gatcattttg gcccatcagc   720
aa   722

<210> 280
<211> 358
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(358)
<223> n = A,T,C or G

<400> 280
tatacggctg cgagaagacg acagaagggc aacagtacag gaagttgggt agatgtgggg   60
acaacagaga gactgtggca gaggcaggac tgcagatcta tggaaattgc ctggaagagt   120
cagctgtaag ggatgagaat cctgagggta aaagagaaaa gggaaagact cctctttgat   180
cttatgaagc tgaaataaca agatcttaaa catgagtgag aatctgttgc cccaacctaa   240
ggtgacttta aatccaaggt aaaaaacacg gcatgggtat tagtttgaat agggaaaatg   300
agaactctct ttgagctcan aanaaaaaaa aaaaaaaaaa aaaaagtcgt atcgatgt   358

<210> 281
<211> 885
<212> DNA
<213> Homo sapiens

<400> 281
tttttttttt tcacggtttc aatggacact tttattgttt acttaatgga tcatcaattt   60
tgtctcacta cctacaaatg gaatttcatc ttgtttccat gctgagtagt gaaacagtga   120
caaagctaat cataataacc tacatcaaaa gagaactaag ctaacactgc tcactttctt   180
tttaacaggc aaaatataaa tatatgcact ctaaaatgca caatggttta gtcactaaaa   240
aattcaaatg ggatcttgaa gaatgtatgc aaatccaggg tgcagtgaaa atgagctgag   300
atgctgtgca actgtttaag ggttcctggc actgcatctc ttggccacta gctgaatctt   360
gacatggaag gtttttagcta atgcccaggg gaaatgcaaa aaatgctaat ttgacttagg   420

78

```
gcctgtgcac aggaactaaa aggcaggaaa gtactaaata ttgctgagag catccacccc      480
aggaaggact ttaccttcca ggagctccaa actggcacca cccccagtgc tcacatggct      540
gactttatcc tccgtgttcc atttggcaca gcaagtggca gtgtctccac cacctatgat      600
ggtgatgcag ccccctaaaa gtggctttca ccacctcatc catgagagct ttggttcccc      660
gggcaaaagc ttcccattca aatacccca caggaccatt ccacacaatc tgcttaaccc       720
gagtgacagc ctcagcatac ttcttgctgg tttcaggacc acagtccaag ccccatccca      780
ccagcaggta tgcaagaagg cccagtgggc ttgccagtct tggcatttct catcaacttg      840
tcagcagtga caaagtcaac cgggaaggaa tcttcacacc atctt                      885


<210> 282
<211> 703
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(703)
<223> n = A,T,C or G

<400> 282
atctctgcag tttataatac tctacgtata tgaatttaaa gcagttaaac aacatttgag       60
attaaattgg taaaaaaaaa attgtaattg aattcagact tcagaaaatt gtgaagtaaa      120
aggccatgat ggagaaatat taagaatctg tagaattact aaactgtcac agtattattt      180
tcctttacaa aagcatctca gtaaaacaaa aactacagaa aacgcaaagt aaaatcagag      240
attttggttt agtactttcc ctgagtctct tgttttaaaa atcaaagtaa ggccagttca      300
aaattgaccc acaggtcttg cctcctccat gctgccatgg ggagtacatt taagacaaga      360
ggctacgcat gttgaggtgg tcccagngct ttattcaaat gccaatttgc ccgtgtcact      420
gccacagggt tatctgaccc actgctgcat gtgggcttaa agagctgtca aaattntatc      480
ttggcctgct ataatataat atgcgagact atataccaca agaagacaaa cagtntcacg      540
tattaataaa tattacattt ctaaatggat ctcgacacta tatacatcac aatattgtaa      600
cataacagaa gctacacttt tatgnttaaa attcttacat aaacacaggt tcgcgtcang      660
tcatcttaaa ctctaatcta catgttacag ataaactcaa aaa                       703


<210> 283
<211> 510
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(510)
<223> n = A,T,C or G

<400> 283
tttttgggga cttagctttt ccttcagaag tttattcttg taaataaaca tcagttttag       60
tttccatttg aaatatttca agaaaaaga catatgatga attagcacat gtataaagga       120
gtcatcgttc tccttgtagc ccatccccag gatgacctca ggggctctgt aataacgtgt      180
caccacatat ggagtcatca tgaagcttgt gcctgctgtc ctggccagtc caaagtccag      240
gattttcaat gtgcaatcag acttgactac aatgttactt ggttttaaat ccctgtgaat      300
aattccagca gaatggaggt gcttaatgcc acacaacatt tggtacagca ggtaagacat      360
tcgctcatgg tctaattcca tctgaatcac ttgacataag ttggcatcca tcagttccat      420
tactaagtaa acatcttgga actcctccag cgtttttctg ggtgtgaaga catttaataa      480
actaataatg tttntatggt tcacacactt                                      510


<210> 284
<211> 502
<212> DNA
<213> Homo sapiens

<400> 284
```

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tttttttttt catatctctt gtatgccaaa tatttaatat aaatctttga aacaagttca        60
gatgaaataa aaatcaaagt ttgcaaaaac gtgaagatta acttaattgt caaatattcc       120
tcattgcccc aaatcagtat ttttttatt tctatgcaaa agtatgcctt caaactgctt       180
aaatgatata tgatatgata cacaaaccag ttttcaaata gtaaagccag tcatcttgca       240
attgtaagaa ataggtaaaa gattataaga caccttacac acacacacac acacacacac       300
acgtgtgcac gccaatgaca aaaaacaatt tggcctctcc taaaataaga acatgaagac       360
ccttaattgc tgccaggagg gaacactgtg tcacccctcc ctacaatcca ggtagtttcc       420
tttaatccaa tagcaaatct gggcatattt gagaggagtg attctgacag ccacgttgaa       480
atcctgtggg gaaccattca tg                                                502


<210> 285
<211> 638
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> (1)...(638)
<223> n = A,T,C or G


<400> 285
gcaggttagc attttattag ataaaaacag gaaggagggt gcctacccac ccctgcctgc        60
tactggctct gaagggcact cctcaacttc cccaagaaag aggacgcgtc tctgacactg       120
tgatcatgac aggggttcaa acagaaagtg cctgggccct ccttctaagt cttgttacca       180
aaaaaaggaa aaagaaaaga tcttctcagt tacaaattct gggaagggag actatacctg       240
gctcttgccc taagtgagag gtcttccctc ccgcaccaaa aaatagaaag ctttctatt       300
tcactggccc aggtaggggg aaggagagta actttgagtc tgtgggcctc atttcccagg       360
tgccttcaat gctcatcaaa accaggcatg gggaaggccc tggcaaactg ctccacccgt       420
tgcctgaggt tggccagacg ctgacttgtt tctgagtcct taagcaggaa ggatttgaaa       480
tcctggagct tggcagtctt gctcttcacc tctaagccaa tgttgacccc ttcatctata       540
aagtncacaa ctcttcggga ggcattctca ccggactgtc gagaaagtaa aggttgggcc       600
ccaaagccaa agcccgccgg gtgagatgca tttgggtc                               638


<210> 286
<211> 660
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> (1)...(660)
<223> n = A,T,C or G


<400> 286
gcggccgcgc ggcttccagg tggcgctgca tgcatggcgg ggtcaggagc ctggtctcca        60
cacccgccag ctggtctgcg gcggggccgc cggacggcgc tgggcgccct gcggagcacg       120
aggccacggg cggggccagt agtctccaca taaagtgcat ggaggccgcc tccctcctcc       180
cacgcccgcc cgggaaggct ccgcccgggg ctgcgaagtc aacaagccgc gtgcactgcc       240
gggcggccga gggggggaggg ctgcgcccgg tccctgctgt ccccctgccc ggccctgcag       300
ggcgctccgg aggtcctggg gcgtggtcgg cacagaagca tggcggccac ctctccggga       360
gggcgggcgg aaccggcagg aagactgagg gcctggcgcg ggcacctggc ggggctcctg       420
gacacgggct gcaggcggcc agcctcactg ctgcttgcag gccgacagcc ggcggatctt       480
gctgctggcg gagcaggcct tgcgggcagg gttgggggcc cggcccttcg ccctggattt       540
ggtgctcagc tgcgccgcct ctgtgccgtt catacacact gcctttggga ggccncggcg       600
ctgtncattg tgactggcct nctctttctg gacctgtccg ggcaccgtga agtcctgagt       660


<210> 287
<211> 545
<212> DNA
<213> Homo sapiens
```

<220>
<221> misc_feature
<222> (1)...(545)
<223> n = A,T,C or G

<400> 287
cttngttggg tgcataaaca cttcacggaa gacatccaga cgcgtcagta ccgctccata   60
gaggttttaa taggagcggg gtacagcacc cctgcggaca tctggagcac ggcgtgtatg   120
gcatttgagc tggcaacggg agattatttg tttgaaccac attctgggga agactattcc   180
agagacgaag accacatagc ccacatcata gagctgctag gcagtattcc aaggcacttt   240
gctctatctg gaaaatattc tcgggaattc ttcaatcgca gaggagaact gcgacacatc   300
accaagctga agccctggga gcctctttga tgtacttgtg ggaaaagtat gggctggccc   360
catggaagat gntgcacagt tttacagatt ttcctggntc ccgatgttta ggaaatggtt   420
tccaggaaaa acggaggcct cagttnggcg aatncttttc ggcattcctt tggtttgaat   480
tntttaggca aatttttacc ccntatttgc attttgagc taggcaaatt tttcccagtt   540
acatt   545

<210> 288
<211> 395
<212> DNA
<213> Homo sapiens

<400> 288
tttttttttt tactgatatc tctttaatac tttcatcatt caagtttgtt cagaacatta   60
caagaggcat gaaagaaaaa ataattccat tttaaaact ctgtccaaag tataacatat   120
gaaaccatgc cattatctct taggaaacaa aagcattcaa aattaatttg gtattaaagt   180
tcaagattca ggactaacct caaagtacgg gcatgtgcag tgtttaagtg caaggaagta   240
ttttcattcc aattatttta cagagatgct gggagtgacg tgtgcaattt ggaaatattc   300
aaatccttta aggtttctgg aactaaggtg tttaaatgga aaactggaaa tgctggcatg   360
gttttcagtg gggctttcca tttccccgtt tggat   395

<210> 289
<211> 284
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(284)
<223> n = A,T,C or G

<400> 289
taaaggagac aattggtntg ggctcctact ctgagtgcaa gcnctgtgtc cacaaggcca   60
ccaacatgga gtatgctgtc aaggtcattg ataagagcaa gcaggatcct tcagaagaga   120
ttgagattct tctgcggtac ggccagcacc ccaacatcat cactctgaaa gatgtgtatg   180
atgatggcaa acacgtgtac ctggtgacag agctgatgcg gggtgggggag ctgctggaca   240
agatcctncg gcagaagttc ttctcagagn nggaggccag cttt   284

<210> 290
<211> 415
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(415)
<223> n = A,T,C or G

<400> 290

```
aagtgttatt taaagctcag ctggagaaag ccggagtgga gcatcagctc agaagagaag      60
tagaaataca gtcccacctt cggcatccta atattcttag actgtatggt tatttccatg     120
atgctaccag agtctaccta attctggaat atgcaccact tggaacagtt tatagagaac     180
ttcagaaact ttcaaagttt gatgagcaga gaactgctac ttatataaca gaattggcaa     240
atgccctgtc ttactgtcat tcgaagagag ttattcatag agacattaag ccagagnaac     300
ttacttcttg ggatcagctg ggagagcttt aaaattgcca gattttgggg tnggtcagta     360
catgcttcca tctttcccgg gggggaccac tctctgtggg gcaccngggg actac          415
```

<210> 291
<211> 405
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(405)
<223> n = A,T,C or G

<400> 291
```
tctctgaaag gagaggaaat cgcctccagg aaccagttcc ttaatgacgt agataggccg      60
tctttgtgtg tgaactccta tactttgac attactggga tgattatatt gcttgaggat      120
tttggcttct agtaaaaatt ttaatttcag ttcctgggga agacgttctt gacgtgtttt     180
aacagcaaca gcaattttat cctttaatgt gaccttaaat gtggncanca aaattccctt     240
gcctcttgta acgtggcacc tttatgattg agaacccatt tcttattctc ctaatgggcc     300
atactgtgat accatggatg gctctttaat tgggaacatt ggactttttt tttttttggg     360
caattttaaa caattggggg taaantccat ataacatcaa nttac                     405
```

<210> 292
<211> 336
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(336)
<223> n = A,T,C or G

<400> 292
```
gattgctgac ttcggctggt ctgtgcatgc gccctccctg aggaggaaga caatgtgtgg      60
caccctggac tacctgcccc cagagatgat tgaggggcgc atgcacaatg agaaggtgga     120
tctgtggtgc attggagtgc tttgctatga gctgctggtg gggaaccccc ctnttggaga     180
gtgcatcaca caacgagacc tatcgccgca tcgtcaaggt ggacctaaag ttccccgctt     240
ctgtgcccac gggagcccag gacctcatct ccaaactggc tcaggcataa cccctcggaa     300
cggctgcccc tggcccaggt tntcagccca cccttg                               336
```

<210> 293
<211> 236
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(236)
<223> n = A,T,C or G

<400> 293
```
cctgaagaag tattttgaca tntgcaangg tgacctcgat cctgagantg taaagtcant      60
cctcttccag ctacnaaaag ggctgngatt ctgtcatagc cgcaatgtgc tacacaggga     120
cctgangccc cagaacctgc taataaacag gaatggggag ctgaaattgg ctgatttttgg     180
cctggctcga gcctttggga tncccgtccg ctgttactcn gctgngnngn tcacac         236
```

<210> 294
<211> 474
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(474)
<223> n = A,T,C or G

<400> 294
```
aaacaaagac gagcaggact aaacgaattc attcagaacc tagttaggta tccagaactt    60
tataaccatc cagatgtcag agcattcctt caaatggaca gtccaaaaca ccagtcagat   120
ccatctgaag atgaggatga aagaagttct cagaagctac actctacctc acagaacatc   180
aacctgggac cgtctggaaa tcctcatgcc aaaccaactg actttgattt cttaaaagtt   240
attggaaaag gcagctttgg caaggttctt cttgcaaaac ggaaactgga tggaaaattt   300
tatgctgtca aagtgttaca gaaaaaaata gttctcaaca gaaaagagca aaaacatatt   360
atggctgaac gtaatgtgct cttgaaaaat gtggaacatc cgtttttggt tggattgcat   420
tattccttcc aaacnactgg aaagctttat tttgttctgg attttggtta tgga         474
```

<210> 295
<211> 458
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(458)
<223> n = A,T,C or G

<400> 295
```
ngcgagatcc tccgcagctg agtaattctg aggaaaggga attctccccg agtttcatca    60
actttgtcaa cttgtgcctt acgaaggatg aatccaaaag gccaaagtat aaagagcttc   120
tgaaacatcc ctttattttg atgtatgaag aacgtgccgt tgaggtcgca tgctatgttt   180
gtaaaatcct ggatcaaatg ccagctactc ccagctctcc catgtatgtc gattgatatc   240
gctgctacat cagactctag aaaaaagggc tgagaggaag caagacgtaa agaattttca   300
tcccgtatca cagtgtnttt tattgctcgg cccagacacc atggtgcaat aagattgggt   360
gttcggtttc catcatggtc tgattataaa cttttaaacc ttaagggggc aaggaggttt   420
tanttacaat gggancccctt atttaaaaca aaagggggg                         458
```

<210> 296
<211> 462
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(462)
<223> n = A,T,C or G

<400> 296
```
accagttaga tgatgaagag ggacttccag agaagctggt tataaaaaac cagcaatttc    60
acaaggaacg agagcagcca cccagatttg cacagcctgg ctcctttgag tatgaatatg   120
ccatgcgctg gaaggcactc attgagatgg agaagcagca gcaggaccaa gtggaccgca   180
acatcaagga ggctcgtgag aagctggaga tggagatgga agctgcacgc catgagcacc   240
aggtcatgct aatgagacag gatttgatga ggcgccaaga agaacttcgg aggatggaag   300
agctgcacaa ccaagaggtg caaaaacgaa agcaactgga gctcaggtaa cttttttttcg   360
aacacttttt ccctnaacaa ctctaaaagg taatgttttc actcctcttt tcctactgcc   420
atgctacctc gtgtatttat aaatgtgttg gcaaatattt tt                      462
```

83

```
<210> 297
<211> 430
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(430)
<223> n = A,T,C or G

<400> 297
aggaagagat catgatcata agacattcca tgagtgagaa aacagggtga tacaatagaa        60
taggtcaatt ctccatacgg accagcatca aaatccagag catttataga gcatatggta       120
gaggaaatag gcagattttc tggaacaata cagctgaagc ttgagaacat aaactgaggt       180
gcatggtcgt tatcatccag gacactgaca aacacaactg caaaagaaaa atgtttcttt       240
tctgcatctg aagcttggac agttaaggtg aattttgtca ttttttcata atccagaggt       300
ttaatccaaa ttaaagnaac tccagtgttt tcttctnaag gnaaaaatgt tcccttctnc       360
attttccaga gatgatgttg taggatgatt tctgcatgtg accccntgtt cncgggtcan       420
tttggctgag                                                              430

<210> 298
<211> 399
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(399)
<223> n = A,T,C or G

<400> 298
acctgtccga gatgaactat gtgcaccgcg acctggctgc tcgcaacatc cttgtcaaca        60
gcaacctggt ctgcaaagtc tcagactttg gcctctcccg cttcctggag gatgacccct       120
ccgatcctac ctacaccagt tccctgggcg ggaagatccc catccgctgg actgccccag       180
aggccatagc tatcggaagt tcacttctgc tagtgatgtc tggagctacg gaattgtcat       240
gtgggaggtc atgagctatg ggagagcgac cctactggga acatggagca accaggatgt       300
tcatcaattg ccgtgggagc agggtttacc gggttgccac cacccntggg attgtttccc       360
acaggcattt gcaaccagtt tnatgtngga antgttggg                              399

<210> 299
<211> 402
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(402)
<223> n = A,T,C or G

<400> 299
aaatatctta ggtttcattg cttcagacat gacatcaaga cactccagta cccagctgtg        60
gttaattaca cattatcatg aaatgggatc gttgtacgac tatcttcagc ttactactct       120
ggatacagtt agctgccttc gaatagtgct gtccatagct agtggtcttg cacatttgca       180
catagagata tttgggaccc aagggaaacc agccattgcc catcgagatt taaagaggca       240
aaaatattct ggttaagaag gaatgggaca gtgttgcata gcagatttgg ggctgggcag       300
tcatgcattt cccagaggca ccaatcagct tgatgtgggg ggaacattcc cctgttgggg       360
cnaccaggcg ctaacntggg nccccccaagt tcttgggttg na                        402

<210> 300
```

<211> 492
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(492)
<223> n = A,T,C or G

<400> 300
```
tttttttttt caaaagtctt ggaggatgaa gaattatgac tttcaccacc actatagtgt      60
tcatataaag ttttagcagc tttcaaaatg gagttaggag aattcagacc aacaagttgg     120
cccagaacat atttcatttc ttcagtggtt cccttggcca tttggttaac tggatgagtt     180
tgaatttgaa catagggatg agccagggag ctcagggaat gggatatcct ctgttttggg     240
tcccttttta aacaacactt taacacatct tgaagatctt tctctgggaa tatcggggaa     300
atttcaattt catggattag ggatcaatta tgggcatggt aatttaggga aatctggatt     360
aattatctgg ctggaatggg gggtttttccc cgtaaggtca tataggtaca aaatacatcc     420
cagggcccca aacatcantt tggggggggct tatncttgga ctagggnttc ccnttctntc     480
ggggggggag gg                                                        492
```

<210> 301
<211> 504
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(504)
<223> n = A,T,C or G

<400> 301
```
agatgaacta tgtgcaccgc gacctggctg ctcgcaacat ccttgtcaac agcaacctgg      60
tctgcaaagt ctcagacttt ggcctctccc gcttcctgga ggatgacccc tccgatccta     120
cctacaccag ttccctgggc gggaagatcc ccatccgctg gactgcccca gaggccatag     180
cctatcggaa gttcacttct gctagtgatg tctggagcta cggaattgtc atgtgggagg     240
tcatgagcta tggagagcga ccctactggg acatgagcaa ccaggatgtc atcaatgccg     300
tggagcagga ttaccggctg ccaccaccca tggactgtcc cacagcactg caccagttca     360
tgntggactt gctgggtgcg ggaccggaac ctcagcccca aattttccc agattttttaa     420
ttacctggga caagttnatc cgcaatgttg ccagcttcaa ggtcatttnc cagcgttcag     480
ttttggattt tnaacagncc ttnt                                           504
```

<210> 302
<211> 260
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(260)
<223> n = A,T,C or G

<400> 302
```
gtctccccat caaatggatg tccccagagt ccattaactt ccgacgcttc acgacagcca      60
gtgacgtctg gatgttcgcc gtgtgcatnt nggagatcct gagctttngg aagcagccct     120
tcttctggct ggagaacaag gatttcatcg gggtgctgga gaaaggagac cggctgccca     180
agnctganct ctgtccaccg gtcctttata ccctcatgac ccgctgctgg gactacgacc     240
ccagtnaccg gccccgcttt                                                260
```

<210> 303
<211> 176
```

85

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(176)
<223> n = A,T,C or G

<400> 303
attcggaaca ggagcgctgc ggccccgagc gctcccgcta ccacctgcag cagaacgtgc   60
agttctccga ggacacagtg aggctgtaca tctgcgagat ggcactggct ctggactacc   120
tgcgnggnca gnanatnatn cacagagatg tcaagcctga caacattctc ctggat   176

<210> 304
<211> 277
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(277)
<223> n = A,T,C or G

<400> 304
catcaagagc gactcgatcc tgctgaccca tgatggcagg gtgaagctgt cagactttgg   60
gttctncgcc caggtgagca aggaagtncc ccgaagaang tnncttgtcg gcacgcccta   120
ctggatggcc ccagagctna tctnccgcct tccctacggg ccagaggtag acatctggtc   180
nctggggata atggtnattg agatggtnga cggagagccc ccctacttca acgagccacc   240
cctcaaagcc atgangatga tttcgggaca acctacn   277

<210> 305
<211> 280
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(280)
<223> n = A,T,C or G

<400> 305
ggataatgac ataacacctt atcttgtcag tagattttat cgtgctcctg aaatcattat   60
aggtaaaagc tatgactatg gtatagatat gtggtctgta ggttgcacct tatacgaact   120
ctatactgga aaaattntat tccctggcaa aaccaatanc catatgctga agcttgcaat   180
ggatctcaaa gganagatgc caaataagat gattcgaaaa ggtgtgttca nagatcagca   240
ttttgatcaa aanctcaact tcatgtacat agaagttgat   280

<210> 306
<211> 215
<212> DNA
<213> Homo sapiens

<400> 306
gagaaaatag cacctcactt ccagaaagct ttaagacaaa agctggagtc ccaaataaac   60
caggcattcc caaattacta gaagggagta aaaattcaat acagtgggag aaagctgaag   120
ataatggatg tagaattaca tactatatcc ttgagataag ggactgaaaa cacaccgtcg   180
atgaaaacca gccactgatg aacagcctca gacct   215

<210> 307
<211> 592

86

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(592)
<223> n = A,T,C or G

<400> 307
ctctgctatg ggggtgatgg ccagtcctgg tgtctgagtg attcccaggg cccagcaaag   60
ggaccaagtt tccagagccc tgaagacaag gggtaacacc ccaaaatatg gactcatttt   120
ccactccacc ttcattggcc gagcagctgc caagaacaaa ggccgcatct cccgatacct   180
ggcaaacaaa tgcagtattg cctcacgaat cgattgcttc tctgaggtgc ccacgagtgt   240
attcggggag aagcttcgag aacaagttga agagcgactg tccttctatg agactggaga   300
gataccacga aagaatctgg atgtcatgaa ggaagcaatg gttcaggcag aggaaagcgg   360
ctgctgagat tactaggaag ctggagaaac aggagaagaa acgcttaaag aaggaaaaga   420
aacggctggc tgcacttgcc ctcgcgtctt cagaaacagc agtagtactc cagaggagtt   480
gttgaggaag acgagtgaaa aaacccaaaa agaagaaaaa gcaaaagccc ccaagaagtt   540
cctcaggaga attggaattg ggaagaccca tctatctctt tttccnaaac ca   592

<210> 308
<211> 465
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(465)
<223> n = A,T,C or G

<400> 308
gcgacattga agagttcctc agggaagcag cttgcatgaa ggagtttgac catccacacg   60
tggccaaact tgttggggta agcctccgga gcagggctaa aggccgtctc cccatcccca   120
tggtcatctt gcccttcatg aagcatgggg acctgcatgc cttcctgctc gcctcccagg   180
attggggaga accccttaa cctacccctc cagaccctga tccggttcat ggtggacatt   240
gcctgcgnat cggagtacct gagctctcgg aacttcatcc accgagacct ggctgctcgg   300
aattgcaatg ctggcaagag gacatgacag tgtgtgtggc tgacttcgga ctctcccgga   360
agatctacag tggggactac tatcgtcaag gctgtgcttc caaactgcct gtcaagtggc   420
tggcctggag agcctggccg acaacctgta tactgtgcag agtga   465

<210> 309
<211> 467
<212> DNA
<213> Homo sapiens

<400> 309
cttaatttta atttttttaa ggtgagaggt ggatcatcta ttatgatttc acgttgttag   60
aaagaaaaat aataataaat gcaactccca gcagagccca ttcttccccc tctcctccag   120
cagatgctgt ttttctttcc agtcactgtt gttctaaagt ctcatcggaa cctccaccaa   180
gaagacgtgg cgattcatct tcttgttttc ctttctcgcc ttggctcaga gcaggccaga   240
gcagcctgac agaggggcca caaggctcgg tgaacccctg cccctcccag caacttggtc   300
gggaggcaga ccgattcttc tcctctcctc gatgtccctc acaggggagg ggagggagct   360
ggggctgggg gttgctaatt gagttactgg ccctggctct aggacagggc tggggatgct   420
gtgtcaggga tcacagagtg atgctaatgg caggagtagg ggagaga   467

<210> 310
<211> 300
<212> DNA
<213> Homo sapiens

87

<400> 310
```
aattccgttg ctgtcgcacg aggccaccag ggtgactgcg ggattccgat ctgcgccgga      60
gctgcgatgc tagagcactc ttgccacccc caccccacgg acgtgttgca gtgatatcag     120
aattttgcgt gcggtttacc cgtgtttaac ctctttgcgt ctcgcttctg aatcgtatcc     180
acttgagcat cactagactg atctatttta acactggtgg ggggcagcga ggatggacag     240
attcctggtg aaagggctc aagggggcct tttgaggaag caggaggagc aagagccaac     300
```

<210> 311
<211> 528
<212> DNA
<213> Homo sapiens

<400> 311
```
ggcacgaggc tattttaaca ctggtggggg gcagcgagga tggacagatt cctggtgaaa      60
ggggctcaag ggggcctttt gaggaagcag gaggagcaag agccaactgg agaagagcca     120
gctgtgttgg gaggagacaa agaaagcaca aggaagaggc ccaggagaga ggccccaggg     180
aatggaggcc actcagcagg ccctagctgg cggcacattc gggctgaggg cctggactgc     240
agttacacag tcctgtttgg caaagctgag gcagatgaga ttttccaaga gttggagaaa     300
gaagtagaat attttacagg agcactggcc agagtccagg tattcgggaa gtggcacagt     360
gtgcccagga agcaggcaac gtatggcgac gctgggctga cctacacatt ttcaggcctc     420
acgctgtctc caaagccctg gatcccagtt ctagagcgca tccgggatca cgtctctggg     480
gtgactggac agaccttcaa ctttgtgctc atcaacaggt ataaagat                  528
```

<210> 312
<211> 854
<212> DNA
<213> Homo sapiens

<400> 312
```
gggattccga tctgcgccgg agctgcgatg ctagagcact cttgccacccc ccaccccacg     60
gacgtgttgc agtgatatca gaattttgcg tgcggtttac ccgtgtttaa cctctttgcg     120
tctcgcttct gaatcgtatc cacttgagca tcactagact gatctatttt aacactggtg     180
gggggcagcg aggacatggt tttaaacttt aaaatgaaaa tgtgaaacta ggaatgttgc     240
tgtgagaccc cttggacaaa cagattttttg cactggggat agaacttgag caatttctgt     300
cttggcctcg ccactgacgt cccttctttc ctgtggggac aggatggaca gattcctggt     360
gaaagggct caaggggggcc ttttgaggaa gcaggaggag caagagccaa ctggagaaga     420
gccagctgtg ttgggaggag acaaagaaag cacaaggaag aggcccagga gagaggcccc     480
agggaatgga ggccactcag caggccctag ctggcggcat tcgggctgag ggcctggact     540
gcagttacac agtcctgttt ggcaaagctg aggcagatga gatttttccaa gaagtcggcg     600
aaacgaagta gaatatttta caggagcact ggccagagtc caggtattcg ggaagtggca     660
cagtgtgccc aggaagcagg caccgtatgg cggacgctgg gctgacctac acattttcag     720
gcctcacgct gtctcccaag gcctggatcc cagttctaga gcgcctccgg gttcccgtct     780
ctggggtgac tgggcgactt tcatttgtgc cctcccggt tttcggctgg gtgtggcccc     840
tctcgggggcc ccgt                                                       854
```

<210> 313
<211> 499
<212> DNA
<213> Homo sapiens

<400> 313
```
gggtgactgc gggattccga tctgcgccgg agctgcgatg ctagagcact cttgccaccc     60
ccaccccacg gacgtgttgc agtgatatca gaattttgcg tgcggtttac ccgtgtttaa     120
cctctttgcg tctcgcttct gaatcgtatc cacttgagca tcactagact gatctatttt     180
aacactggtg gggggcagcg aggacatggt tttaaacttt aaaatgaaaa tgtgaaacta     240
ggaatgttgc tgtgagaccc cttggacaaa cagattttttg cactggggat agaacttgag     300
caatttctgt cttggcctcg ccactgacgt cccttctttc ctgtggggac aggatggaca     360
gattcctggt gaaagggct caaggggggcc ttttgaggaa gcaggaggag caagagccaa     420
ctggagaaga gccagctgtg ttgggaggag acaaagaaag cacaaggaag aggcccagga     480
gagaggcccc agggaatgg                                                   499
```

<210> 314
<211> 742
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(742)
<223> n = A,T,C or G

<400> 314
```
ggattccgat ctgcgccgga gctgcgatgc tagagcactc ttgccacccc caccccacgg      60
acgtgttgca gtgatatcag aattttgcgt gcggtttacc cgtgtttaac ctctttgcgt     120
ctcgcttctg aatcgtatcc acttgagcat cactagactg atctatttta acactggtgg     180
ggggcagcga ggacatggtt ttaaacttta aaatgaaaat gtgaaactag gaatgttgct     240
gtgagaccnc ctggacaaac agatttttgc actggggata gaacttgagc aatttctgtc     300
ttggcctcgc cactgacgtc ccttctttcc tgtggggaca ggatggacag attcctggtg     360
aaagggctc aagggggcct tttgaggaag caggaggagc aagagccaac tggagaagag     420
ccagctgtgt tgggaggaga caaagaaagc acaggaaga ggcccaggag agaggcccca     480
ggaatggagg ccactcagca ggccctagct ggcggcattc gggctgaggg cctggactgc     540
agttacacag tcctgtttgg caaagctgag gcagatgaga ttttccaaga gtcggcgaca     600
cgaagtcgaa tattctacag gggcactggc agagtccggt atcggggagt ggccgtgtgg     660
ccggagcgca cgttgggacg ctggtggcta acctttcggg cccggggcca ggccggtccc     720
gttagggccg gccgccgggg gg                                             742
```

<210> 315
<211> 429
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(429)
<223> n = A,T,C or G

<400> 315
```
aggccaccag ggtgactgcg ggattccgat ctcgcgccgg agctgcgatg ctagagcact      60
cttgccaccc ccaccccacg gacgtgttgc agtgatatca gaattttgcg tgcggtttac     120
ccgtgtttaa cctctttgcg tctcncttct gaatcgtatc cacttgagca tcactagact     180
cgatctattt taacactggt gggggggcagc gaggacatgg ttttaaactt taaaatgaaa     240
atgtgaaact aggaatgttg ctgtgagacc ccttggacaa acagattttt gcactgggga     300
tagaacttga ngcaatttct gtcttggcct cgcactngac gtcccttctt tcctgtgggg     360
acaggatgga cagattcctg gtgaaagggg ctcaagggggg ccttttgagg aagcaggagg     420
agcaagaag                                                            429
```

<210> 316
<211> 338
<212> DNA
<213> Homo sapiens

<400> 316
```
gcgaggccac cagggtgact gcgggattcc gatctgcgcc ggagctgcga tgctagagca      60
ctcttgccac ccccacccca cggacgtgtt gcagtgatat cagaattttg cgtgcggttt     120
acccgtgttt aacctctttg cgtctcgctt ctgaatcgta tccacttgag catcactaga     180
ctgatctatt ttaacactgg tggggggcag cgaggatgga cagattcctg gtgaaagggg     240
ctcaagggggg ccttttgagg aagcaggagg agcaagagcc aactggagaa gagccagctg     300
tgttgggagg agacaaagaa agcacaagga agaggccc                            338
```

<210> 317
```

```
<211> 300
<212> DNA
<213> Homo sapiens

<400> 317
aattccgttg ctgtcggtct ttcccaccac gaggccacca gggtgactgc gggattccga        60
tctgcgccgg agctgcgatg ctagagcact cttgccaccc ccaccccacg gacgtgttgc       120
agtgatatca gaattttgcg tgcggtttac ccgtgtttaa cctctttgcg tctcgcttct       180
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<210> 318
<211> 407
<212> DNA
<213> Homo sapiens

<400> 318
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<210> 319
<211> 859
<212> DNA
<213> Homo sapiens

<220>
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<223> n = A,T,C or G

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<210> 320
<211> 836
<212> DNA
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90

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<212> DNA
<213> Homo sapiens

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